

**CEILING
SOLUTIONS**

**USG MIDDLE EAST
CEILINGS CATALOGUE
2022**

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USG BORAL 
INNOVATION INSPIRED BY YOU.™





HISTORY OF INNOVATION

Our mission is to deliver innovation that helps you work smarter, do more, and build better. Architects and construction companies need safer, faster, and less costly ways to build. Building owners need better running buildings with lower operating costs. And the need for sustainable construction to address global environmental challenges is growing fast. That's why throughout USG Middle East's history, we have continually developed innovative wall and ceiling products and systems for our customers.

With over 35 years of experience, we are a premier acoustic panel and specialty ceilings innovator that enhances the overall aesthetic of our customers' projects. Our portfolio includes Specialty Ceilings, Drywall Ceilings, Wood Wool Ceilings, Soft Fiber Ceilings, Mineral Fiber Ceilings, Gypsum Ceilings Tiles as well as both standard and seismically rated suspension systems.



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Visit USG Middle East's website for new system designs, solutions, and latest product offerings.

Now you can plan and visualize your project, get a quote, and place your order through USGme.com

Visit USG Middle East's social media and digital platforms to stay updated on all our solutions and designs.

Follow us on:



METAL CEILING SOLUTIONS



ACOUSTICAL DRYWALL CEILING



SOFT FIBER CEILING



WOOD WOOL CEILING





GYPSUM CEILING TILES



SUSPENDED CEILING GRID

MINERAL FIBER CEILING

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USG Middle East is the regional leader in manufacturing ceiling suspension systems and is a recognized innovator in developing acoustical and gypsum panels as well as specialty ceiling systems. At USG Middle East, we believe that Ceiling products should not only bring your vision to life but should also enhance and inspire while reducing the building industry's impact on the environment.

USG Middle East Ceiling Solutions offers an extensive line of acoustical panels, suspension systems, integrated ceiling systems, and specialty ceiling systems. All USG Middle East Ceiling products are built to provide flexible design, easy installation, and outstanding performance.

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**GREAT
SOLUTIONS
START FROM
HERE**

SUSTAINABLE CEILINGS



GREEN MANUFACTURING

Flexible and scalable production options with quicker delivery time. Our regional manufacturing facilities reduce the supply chain costs, energy consumption and transportation. USG ME is an excellent source of ceiling solutions for the regional community helping the environment with lesser emissions and energy usage. We care about earth: we provide green and sustainable products.



ENVIRONMENTAL PRODUCT DECLARATION

The Environmental Product Declaration (EPD) relies on the assessment tool—following ISO series 14040—to provide information on a number of environmental impacts of a product over its life cycle. EPD's are primarily intended to facilitate business transactions with clients who are focused on sustainable environmental practices.

Since adhering to the ISO series 14040, we have improved our goals for sustainability and demonstrated our commitment to sound environmental practices and our customers.



GREENGUARD

GREENGUARD Certification Program is for Products that have scientifically been proven to meet many of the world's most rigorous third-party chemical emissions standards, helping to improve indoor air quality. By choosing products with GREENGUARD Certification, you are creating a healthier indoor environment for your home, office, or institution and reducing chemical exposure. USG Middle East's Ceiling Systems are certified as GREENGUARD Gold as per the UL 2818 – 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes, and Furnishings.



HIGH RECYCLED CONTENT

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per Federal Trade Commission Environmental Marketing Guides (FTC guidelines).

Most of USG Middle East's Mineral Fiber products can be produced with HRC formulas for optimized recycled content to help maximize LEED® recycled content contribution.

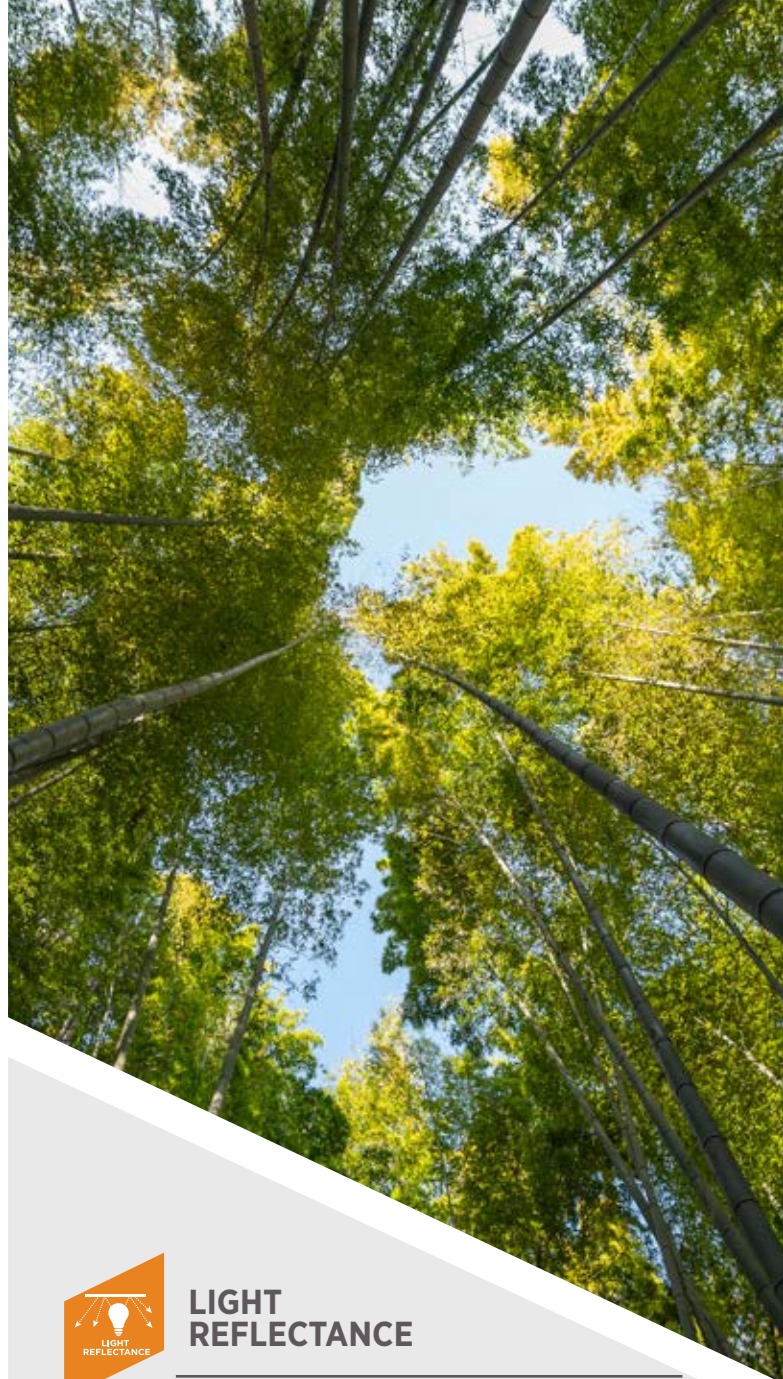


THERMAL RESISTANCE

Thermal Resistance is a material's resistance to the flow of heat. For insulation purposes, high "R" values are the most desirable. The R-value is measured at an average temperature of 24°C (75°F) for each panel. The R-Value of our ceiling panels is a combination of thermal conductivity, measured according to norms EN12667 & ASTM C518, and the thickness of the material. The thermal conductivity of our Mineral Fiber Materials wet felted is $\lambda = 0.064$ W/mK and 0.034 W/mK for our Fiberglass base materials. The smaller the λ -value, the better the thermal insulation of the material.

The U-value (Thermal Transmittance) is the inverse of the R-value (Thermal Resistance). However, the U-value takes into account the whole system to evaluate heat loss and should not be calculated as a single component.

We produce and promote ceiling systems to help enhance thermal resistance performance reducing the overall energy consumption optimizing the LEED® contribution.



LIGHT REFLECTANCE

Ceiling systems are a key element of energy conservation. A well-designed ceiling with high light reflectance improves space illumination, which means fewer light fixtures, reduced electrical light output, lower maintenance costs, and reduced cooling costs. Ceilings with high light reflectance, which reflect up to 90% of the light back into space, can reduce energy consumption by up to 20%.



CERTIFIED FOR FSC AND PEFC

The Forest Stewardship Council (FSC) and The Programme for the Endorsement of Forest Certification (PEFC) set standards for responsible forest management. Both the FSC and PEFC aim to protect forests for future generations by ensuring sustainable harvest levels and regeneration after harvest, and through conservation initiatives that protect biodiversity, soil, and water quality. USG Middle East Wood Wool systems are FSC and PEFC certified.

ASSURING BALANCED ACOUSTICS SOLUTIONS

ACOUSTICAL PERFORMANCE

A special acoustic design is needed to create a suitable space for certain planned functions. There are two sound-related factors to consider when designing a building:

- Choose quiet equipment (e.g., elevators, pumps, heating, and ventilation equipment, etc.).
- Reduce sound in the building by means of room acoustics and sound insulation.

It is important not to confuse the terms sound insulation and sound absorption.

Sound may be absorbed, transmitted, or reflected. Within a room's boundary—such as a roof, floor, or wall—is hit by a sound wave, some of the sound's energy will be reflected, some will be absorbed, and some will be transmitted through it.

The proportion which is reflected, absorbed, or transmitted depends on the shape of the material hit by the sound wave and the frequency of the sound. Based on this, three acoustical parameters can be defined.

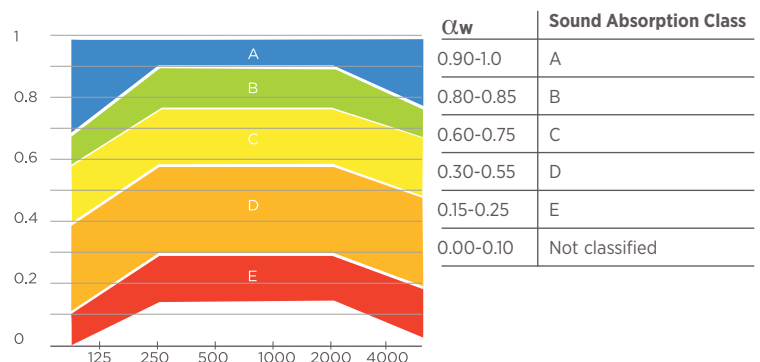
- Absorption coefficient, α_w = (absorbed sound + transmitted sound)/(incident sound)
- Reflection coefficient, α_R = (reflected sound)/(incident sound)
- Transmission coefficient, α_T = (transmitted sound)/(incident sound)



SOUND ABSORPTION (NRC, α_w)

Noise Reduction Coefficient (NRC and α_w) measures sound absorption.

0.70 means the material absorbs 70% of sound waves transmitted to the ceiling panel. This is important to consider when planning acoustics within a confined area. NRC tests are conducted according to ASTM C423, which is the Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.





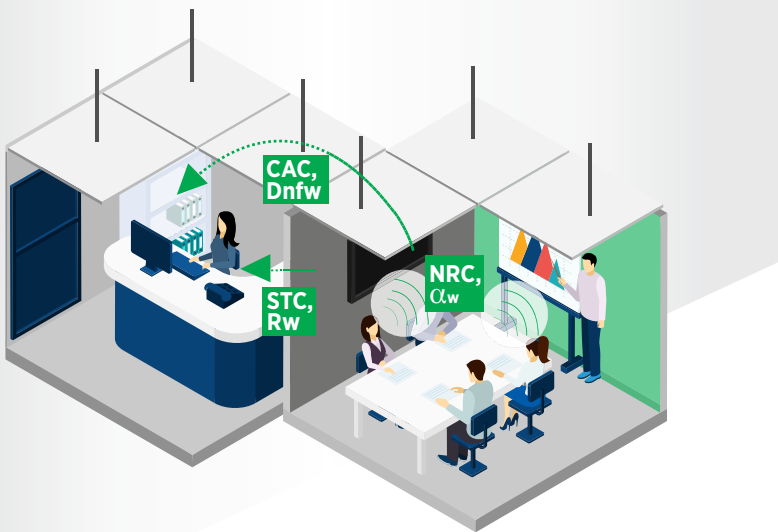
CEILING ATTENUATION CLASS (CAC, Dnfw)

Ceiling Attenuation Class (CAC) and Double Pass Sound Attenuation (Dnfw) apply to the sound attenuation of acoustical ceilings with a shared plenum between horizontally adjacent spaces and a common void above them.

A value of under 25dB is considered low, while a value of 35dB and above is exceptional. CAC tests are conducted per ASTM E1414 and classified per ASTM E413—the Standard Test Method for Airborne Sound Attenuation between rooms sharing a common ceiling plenum. ASTM E413 is a classification for rating Sound Insulation.

SOUND TRANSMISSION CLASS (STC) WEIGHTED SOUND REDUCTION INDEX (Rw)

Rw and STC are widely used to measure the level of sound-insulating abilities of walls, floors, windows, and doors. They are expressed in decibels (dB). The higher Rw or STC figures, the better the sound isolation.



REVERBERATION TIME

The length of time sound reverberates within a space indicates how long acoustic energy remains in it. It is usually defined as the time for the acoustic intensity to decrease by a factor of one million.

Sound absorption is directly related to reverberation time and is calculated using a formula called the Sabine formula. Reverberation time is dependent on the size and shape of the space and the amount, quality, and positioning of absorbing surfaces within the space. The more sound absorption in the room, the lower the reverberation time will be.



ADVANCED SOLUTIONS TO PROTECT YOU

SAFE SYSTEMS



FIRECODE

Flame Spread Classification

Interior wall and ceiling materials are classified in accordance with ASTM E84 or UL 723. Such interior finishing materials are grouped according to their flame spread and smoke-development indexes.

Classification	Flame Spread Index (FSI)	Smoke Development Index (SD)
Class 1 or A	0-25	450 maximum
Class 2 or B	26-75	450 maximum
Class 3 or C	76-200	450 maximum

Reaction To Fire Classification

The material reaction to fire is defined by Euro classes A1 to F. Classification is based on the tendency of a material to avoid flashover or promote flashover. Non-combustible materials and products (A1 and A2) will not cause flashover. USG ME Mineral Fiber products are classified in Euro class A2-s1, d0 (as per EN ISO 13501-1 classification), which means they do not contribute to fire. The reaction to fire performance is tested in accordance with EN 13501-1:2007+A1: 2009.

Fire Behavior	Example	Smoke Production	Flaming Droplets
A1, A2	Mineral Fiber, Stone wool, Mineral Wool, Gypsum board	s1 (least smoke)	d0 (no burning droplets)
B	Painted gypsum board		
C	Gypsum board with wallpaper	s2	d1
D	Wood	s3	d2
E	Fire-retardant EPS		
F	Non-tested materials, EPS		

A2	s1	d0
1	2	3

1. Main class
2. Smoke production
3. Occurrence of flaming droplets/particles

Fire Resistance

Fire separating elements, such as fire walls and floor structures, are tested and evaluated in accordance with ASTM E 119 (Fire Tests of Building Construction and Materials).

ASTM E119 is an assembly test, not a product test carried out in full scale. The Fire-Resistance Rating of a Ceiling Assembly (ANSI UL 263 – ASTM E119 and NFPA 251) represents the degree to which (measured in hours) the entire assembly, not individual components, withstands fire and high temperatures.



ENVIRONMENTAL AIR QUALITY

USG ME's ceiling panels do not contain asbestos, carcinogens, mutagens, or toxic substances.

Our ceiling products are classified and certified to have low impact on indoor air quality. Even when installed in a fully furnished room with little fresh air, the concentration of VOCs and Formaldehyde are well below accepted standards.



HEALTHCARE

Our ceiling panels support healthy environments in all healthcare facilities according to the most stringent international standards:

Antibacterial Coating

Antimicrobial coating will provide lasting protection against microbes, harmful bacteria, mold, and fungus—ultimately helping to minimize stains, bad odors, and material degradation. Antimicrobial coating is more durable and lasts longer by making your ceiling systems less susceptible to mold growth and associated odors.

Clean Room Classification*

We provide ceiling panels Classified as Clean Room ISO 4 and ISO 5 as per ISO 14644-1

Water Absorbance

As per a project request, we provide a layer of absorbent material on our ceiling panels to resist a moderate amount of dripping water for up to 2 hours.

FGI Guidelines

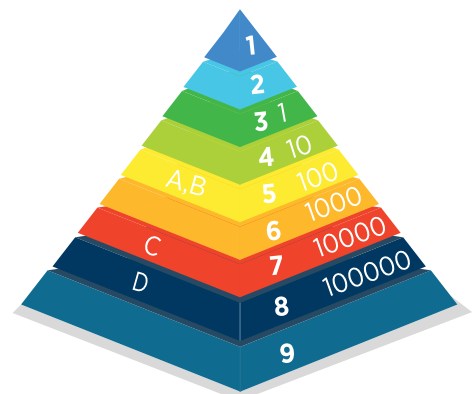
The Facility Guidelines Institute (FGI) is a nonprofit organization that works to develop guidelines for designing and building hospitals and other healthcare facilities.

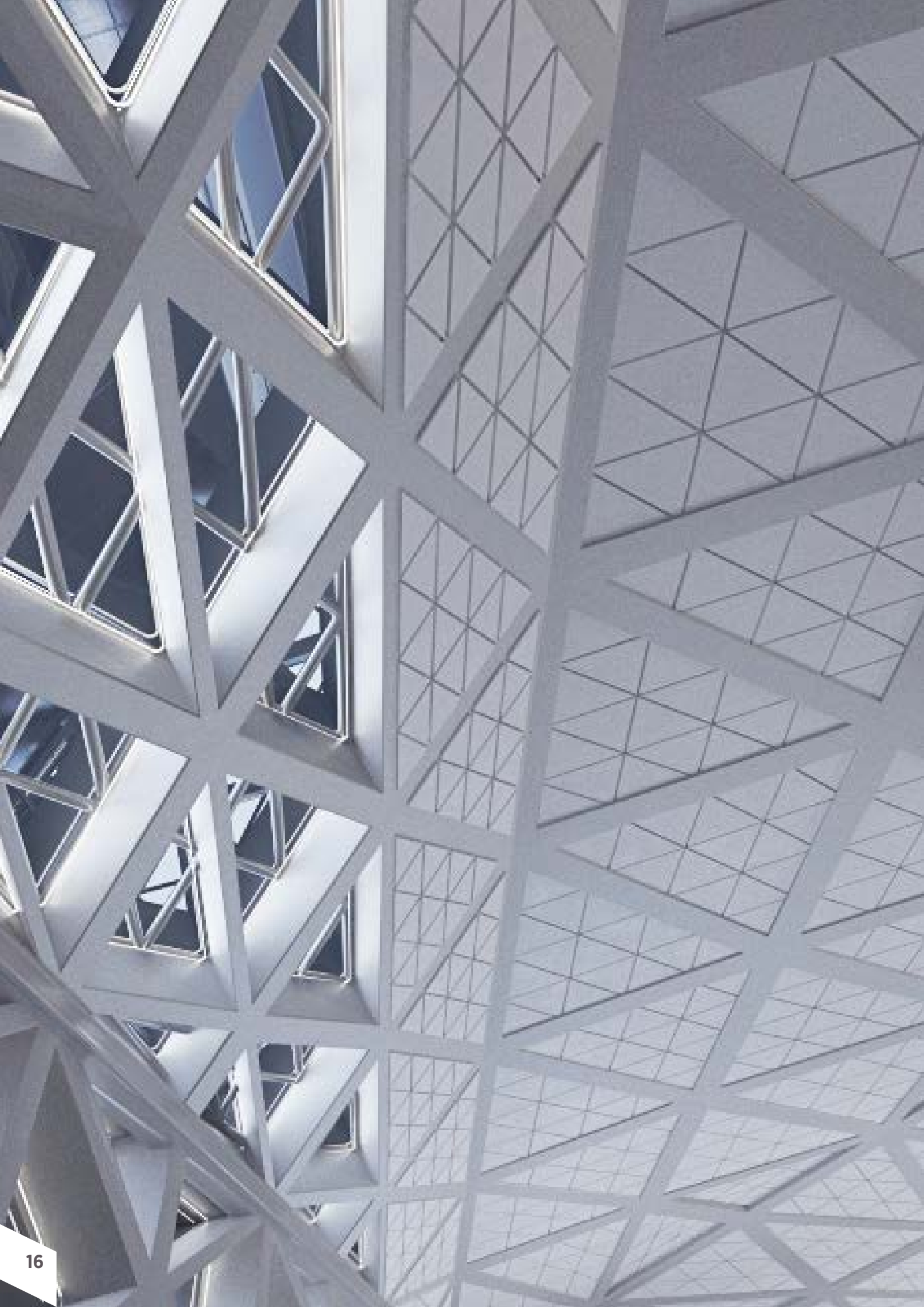
USG Middle East has developed a selected ceiling systems that follow the latest FGI requirements.

Mold Prevention

Almost all of USG Middle East's ceiling panels are rated a 10 as per the ASTM D3273 scale for mold prevention applications.

* Clean Room™ Classification						
FED STD 209D/209E		ISO 14644-1	Industry Application Areas			
English	Metric	ISO Class				
-	-	1				
-	-	2				
1	M1.5	3	Micro-electronics			
10	M2.5	4				
100	M3.5	5				
1,000	M4.5	6		Pharmaceutical		
10,000	M5.5	7				
100,000	M6.5	8			Electronics and Food	
-	-	9				





CELEBRETTO

METAL CEILING SOLUTIONS

The Celebretto product line offers an extensive array of acoustical panels, suspension systems, and integrated ceiling systems. All USG ME metal ceiling solutions are manufactured to provide flexible design, easy installation, and outstanding performance. The Celebretto line aims to bring visions to life while reducing the building industry's impact on the environment.

Turn your visions into reality with the Celebretto product line. Immerse yourself in a world of unparalleled design options!

CELEBRETTO

HOOK-ON



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

HOOK-ON CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Concealed suspension ceiling system with a variety of configurations that can fit any contemporary interior design.
- All panels are demountable without the need for special tools, allowing easy access to plenum for simple maintenance.
- Configurable panel sizes and layouts offer the designer more freedom with their design.

APPLICATIONS

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



HOOK-ON



HIGH SOUND ABSORPTION

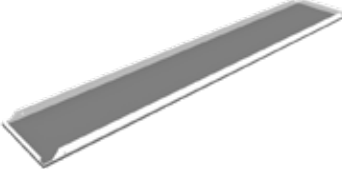

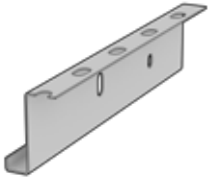
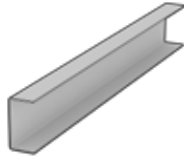
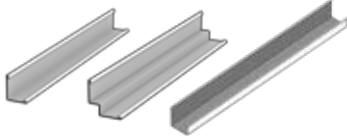




CEILING ATTENUATION CLASS

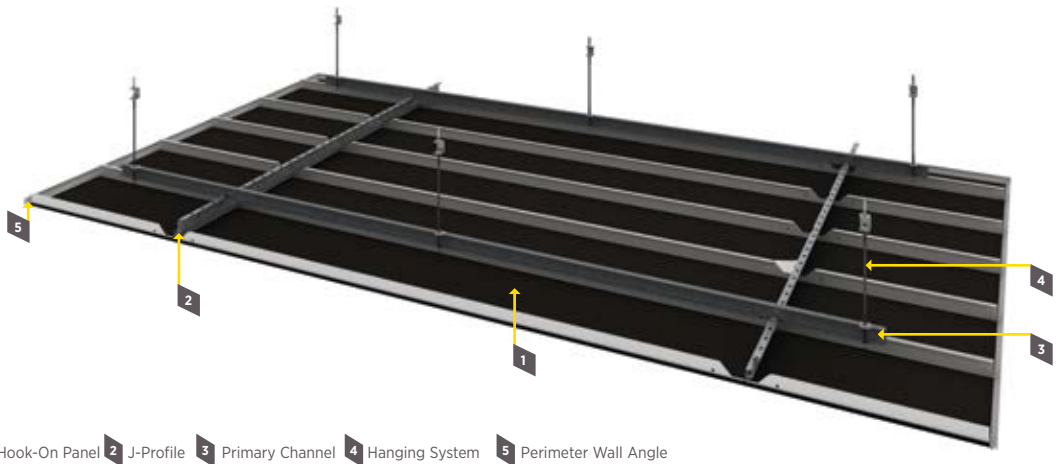


HEALTHCARE APPLICATION

HOOK-ON CEILING SYSTEM COMPONENTS

Metal Hook-On Panel, Bottom View 	Metal Hook-On Panel, Top View 	Hanging System 
J-Profile  Galvanized Steel, H=51mm, L=2400mm	Primary Channel  Galvanized Steel, H=40mm, L=3000mm	Perimeter Wall Angle Options 
J-Profile Hanging Bracket 	System Section 	

SYSTEM DRAWINGS



SYSTEM SPECIFICATION

Material Classification
 Galvanized Steel: Type V
 Aluminium: Type VII
 Stainless Steel: Type VI
 Pattern: A, C, G
Thickness
 Powder coat finish: 0.6mm – 1.4mm
 Wooden finish: 0.6mm
Panel Height
 40mm up to 200mm

Panel Width
 200mm up to 1200mm
Panel Length
 Up to 2400mm
Edge (optional)
 3mm black gasket
Light Reflectance Coefficient [LR]
 Based on the finish color and perforation pattern, LR up to 0.82

Surface Burning Characteristics per ASTM E 84
 Class A
Additional Information
 • Thickness depends on panel sizes and project requirements
 • Consult USG ME for other panel widths

ITEM CODIFICATION

AHOPA1-600120010R1035-SF25G



HOOK-ON



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

HOOK-ON METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

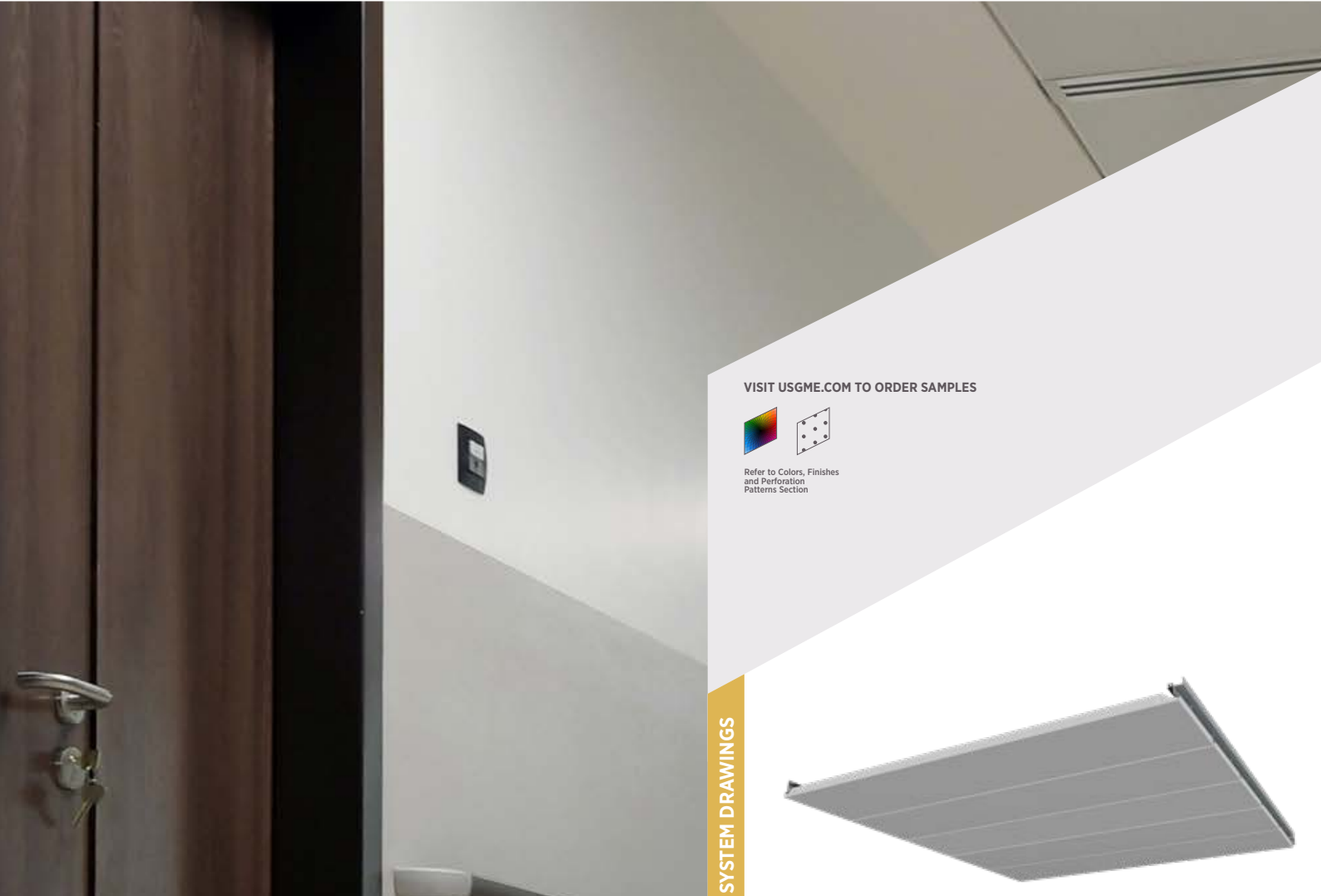
Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber
			

* Additional backer options available for NRC and CAC enhanced total acoustical performance



CELEBRETTO

CORRIDOR SYSTEM - HOOK ON

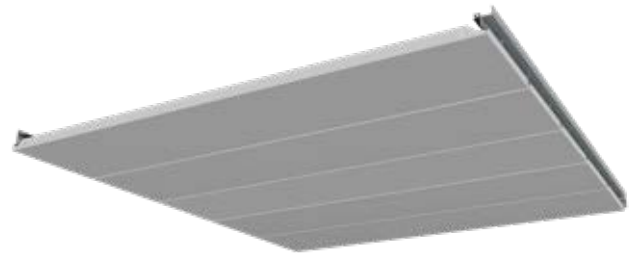


VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

CORRIDOR CEILING-HOOK ON SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Free span solution - eliminates the need for threaded rods and vertical hangers.
- Quick installation.
- Ideal for corridors that have condensed MEP fixtures.
- Total access to ceiling void allowing easy maintenance.

APPLICATIONS

- Airports
- Hospitals
- Schools
- Business & residential towers
- Hotels

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



CORRIDOR SYSTEM - HOOK ON



CORRIDOR CEILING SYSTEM COMPONENTS

Corridor Ceiling Panel, Bottom View	Corridor Ceiling Panel, Top View	Angle Bar
		Galvanized Steel: H=30mm, L=2400mm
J Profile	Z Profile	Bolt Pan Head
Galvanized Steel, H=51mm, L=2400mm	Galvanized Steel, 27.50 x 15 x 27.50mm, L=2400mm	4.8x16mm

SYSTEM DRAWINGS



1 Corridor Ceiling Panel 2 Angle Bar 3 J profile 4 Z Profile

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Thickness
Powder coat finish: 0.6mm - 1.4mm
Wooden finish: 0.6mm

Panel Height
40mm up to 200mm

Panel Width
200 to 600mm
Panel Length
Up to 2400mm
Edge (optional)
3mm black gasket

Light Reflectance Coefficient [LR]
Based on the finish color and perforation pattern, LR up to 0.82

Surface Burning Characteristics per ASTM E 84

Class A

Additional Information

- Thickness depends on panel sizes and project requirements
- Consult USG ME for other panel widths

ITEM CODIFICATION

ACHOPA1-600120010R1035-SF25G



CORRIDOR SYSTEM - HOOK ON



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

CORRIDOR SYSTEM-HOOK ON METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber

* Additional backer options available for NRC and CAC enhanced total acoustical performance



CELEBRETTO

ISLAND HOOK-ON

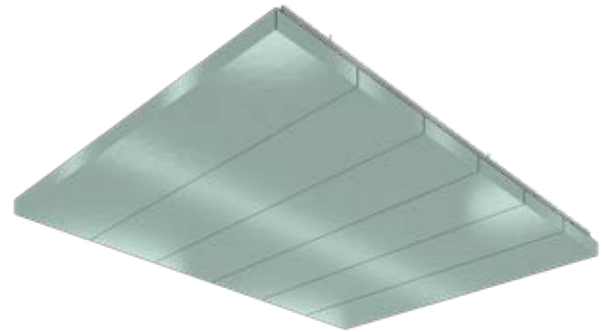


VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

ISLAND HOOK-ON CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Featuring a concealed island suspension ceiling system with special design configurations.
- All island panels are demountable without the need for special tools, allowing easy access to plenum for simple maintenance.
- Configurable panel sizes and layouts offer the designer more freedom with their design.

APPLICATIONS

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls
- Hotel lobbies

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



ISLAND HOOK-ON



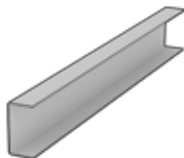
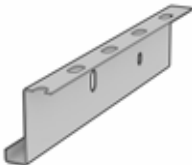




HIGH SOUND ABSORPTION

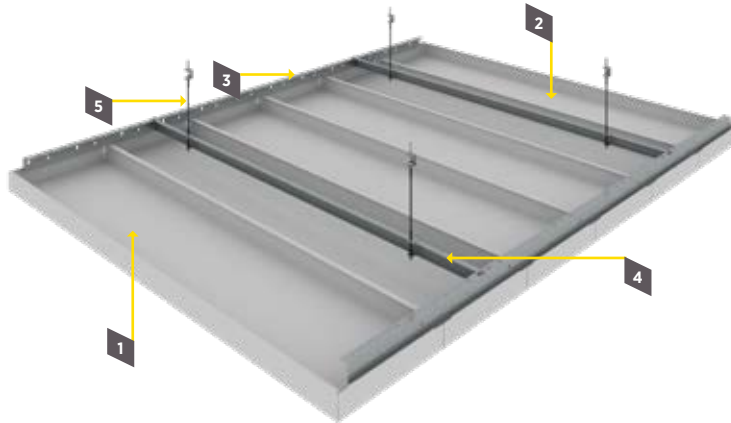


CEILING ATTENUATION CLASS

ISLAND HOOK-ON CEILING SYSTEM COMPONENTS

		
 Galvanized Steel, H=51mm, L=2400mm		 4.8x16mm

SYSTEM DRAWINGS



1 Island Hook on panel 2 Island Hook on Panel End 3 J Profile 4 Primary Channel 5 Hanging System

SYSTEM SPECIFICATION

Material Classification

Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Thickness

Powder coat finish: 0.6mm – 1.4mm
Wooden finish: 0.6mm

Panel Height

40mm up to 200mm

Panel Width

200mm to 600mm

Panel Length

Up to 2400mm

Edge (optional)

3mm black gasket

Light Reflectance Coefficient [LR]

Based on the finish color and perforation pattern, LR up to 0.82

Surface Burning Characteristics per ASTM E 84

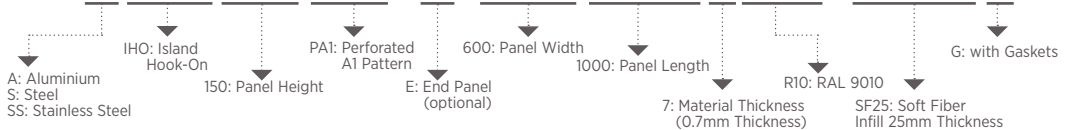
Class A

Additional Information

- Thickness depends on panel sizes and project requirements
- Consult USG ME for other panel widths

ITEM CODIFICATION

AIHO150PA1-E-60010007R10-SF25G



ISLAND HOOK-ON



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

ISLAND HOOK-ON METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	D _{nfw}
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

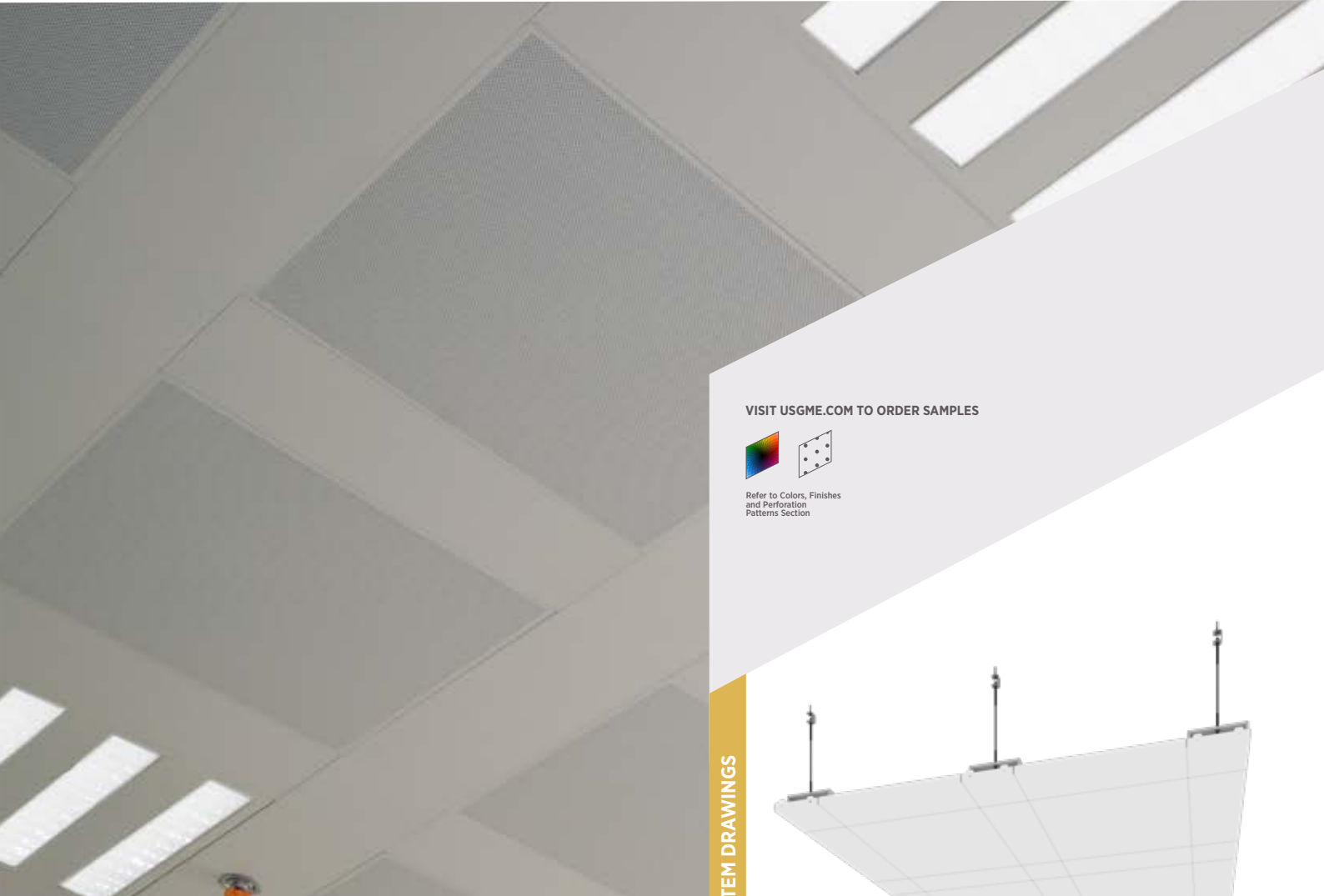
SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber
			

* Additional backer options available for NRC and CAC enhanced total acoustical performance

CELEBRETTO INTERSECTO



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

INTERSECTO CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Modern modular design, configurable options.
- Linear track channel can be aligned with partitions.
- Linear track width is adjustable from narrow to wide.
- All panels are demountable without the need for special tools, allowing easy access to plenum.
- Easy service integration.

APPLICATIONS

- Public areas
- Reception
- Lobbies
- Office spaces
- Libraries
- Lecture halls
- Airports

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Infill***	0.50	0.60	0.65	0.75	0.70	0.70	0.70

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber



INTERSECTO



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

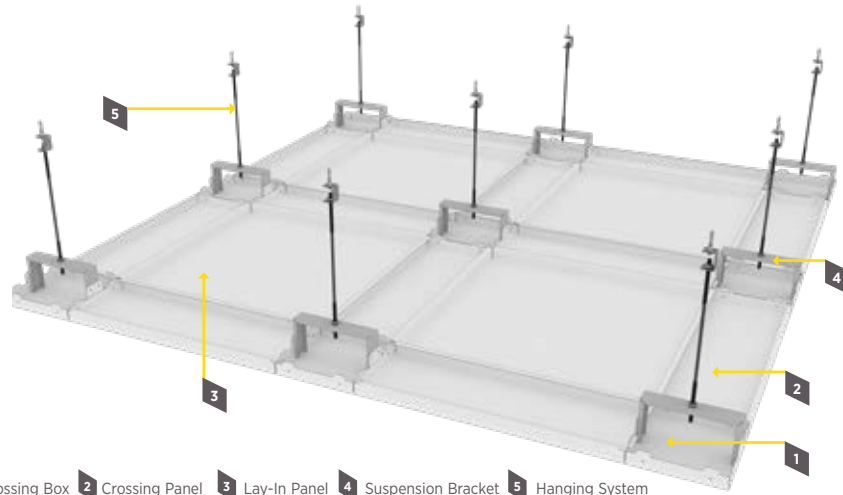


HEALTHCARE APPLICATION

INTERSECTO CEILING SYSTEM COMPONENTS

Crossing Box	Crossing Panel	Lay-In Panel
Suspension Bracket	Hanging System	

SYSTEM DRAWINGS



1 Intersecto Crossing Box 2 Crossing Panel 3 Lay-In Panel 4 Suspension Bracket 5 Hanging System

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C

Thickness
Powder coat finish: 0.6mm - 1.4mm
Wooden finish: 0.6mm

Panel Height
30mm

Panel Size
Standard: 600x600mm

Crossing Panel Length
Up to 2400mm

Crossing Panel Width
100, 150 and 200mm

Light Reflectance Coefficient [LR]
Based on the finish color and perforation pattern, LR up to 0.82

Surface Burning Characteristics per ASTM E 84

Class A

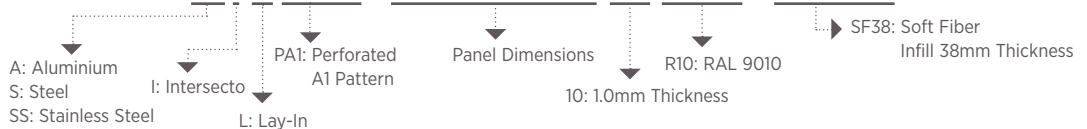
Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel sizes

ITEM CODIFICATION

Lay In Panel

AILPA1-60060010R10-SF38



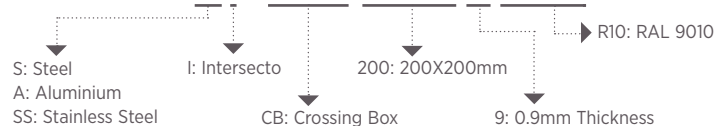
Crossing Panel

SI-CP-20012009R10



Crossing Box

SI-CB-2009R10



INTERSECTO



INTERSECTO METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

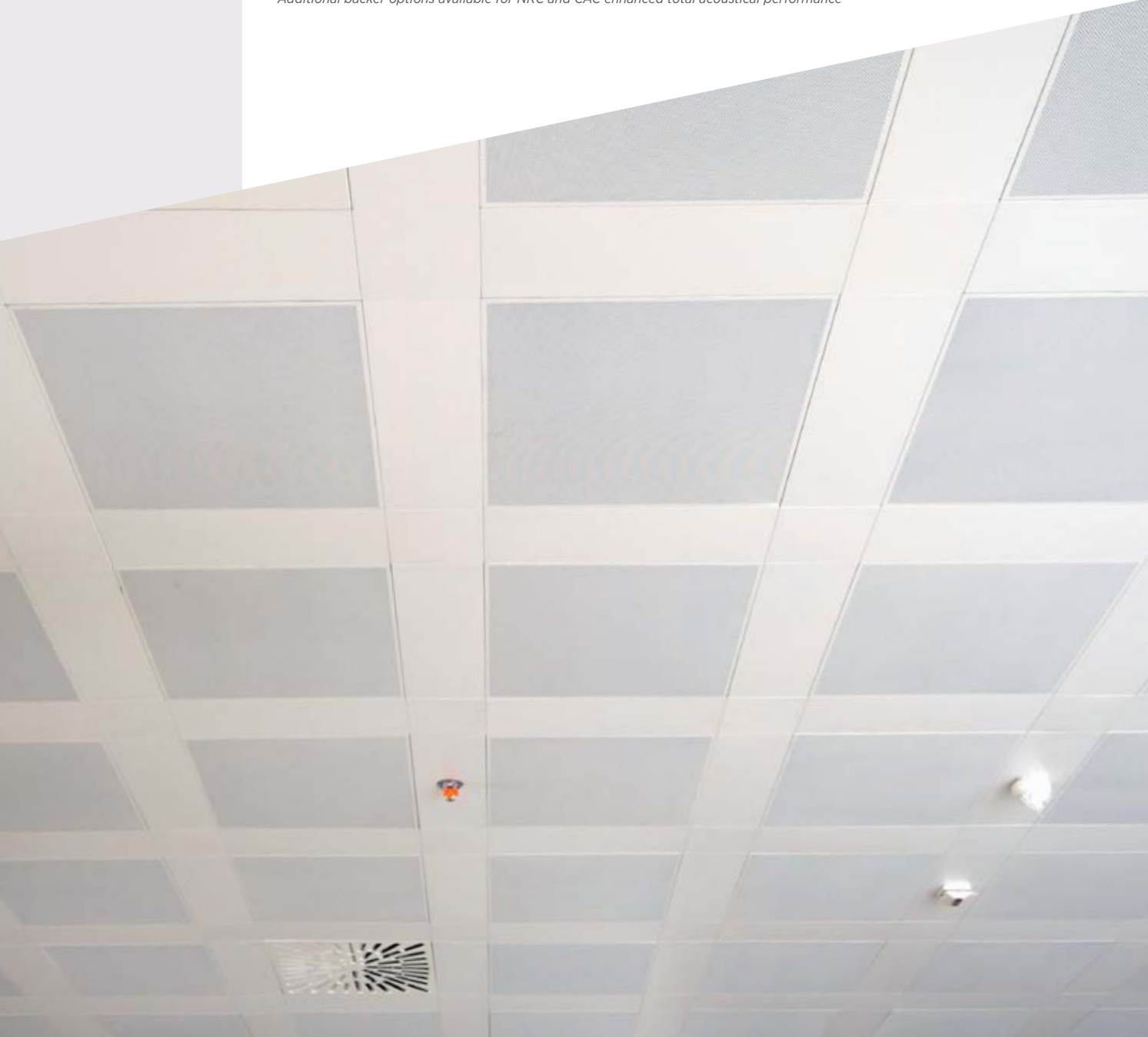
PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece and 30mm SF Infill with Aluminium Foil	0.70	0.70	35	35

*A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%
SF: Soft Fiber*

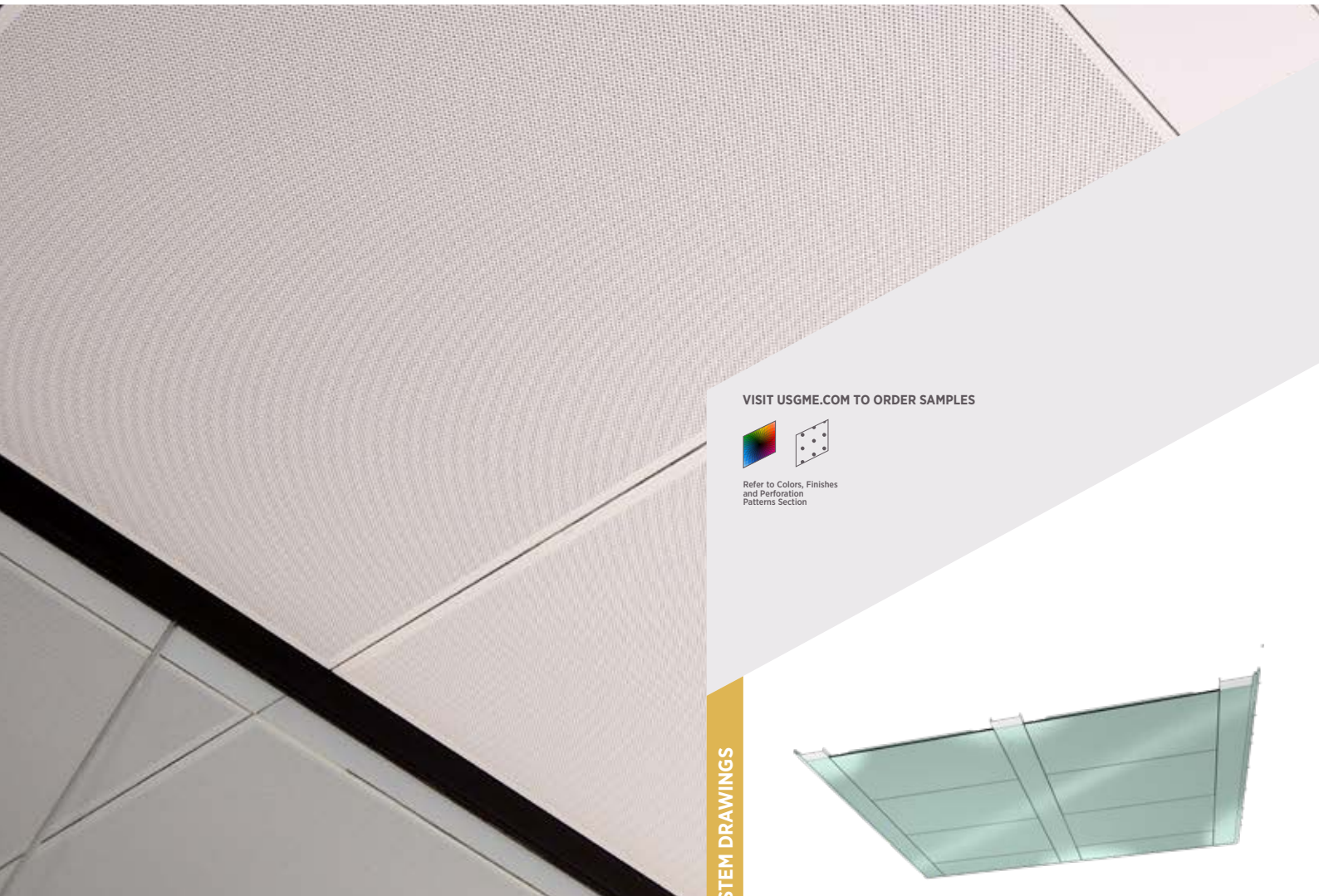
INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber

** Additional backer options available for NRC and CAC enhanced total acoustical performance*



CELEBRETTO LINEAR TRACK

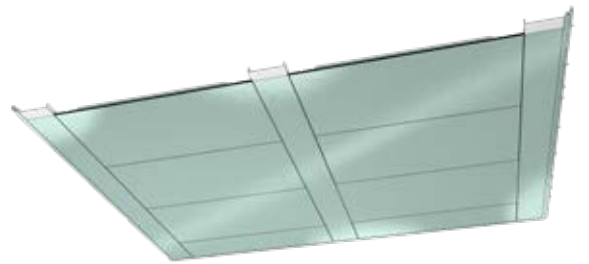


VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

LINEAR TRACK CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Modular design, configurable options.
- Linear track channel can be aligned with partitions.
- All panels are demountable without the need for special tools, allowing easy access to plenum.
- Easy service integration.

APPLICATIONS

- Large office spaces
- Train stations
- Universities
- Airports
- Executive offices

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



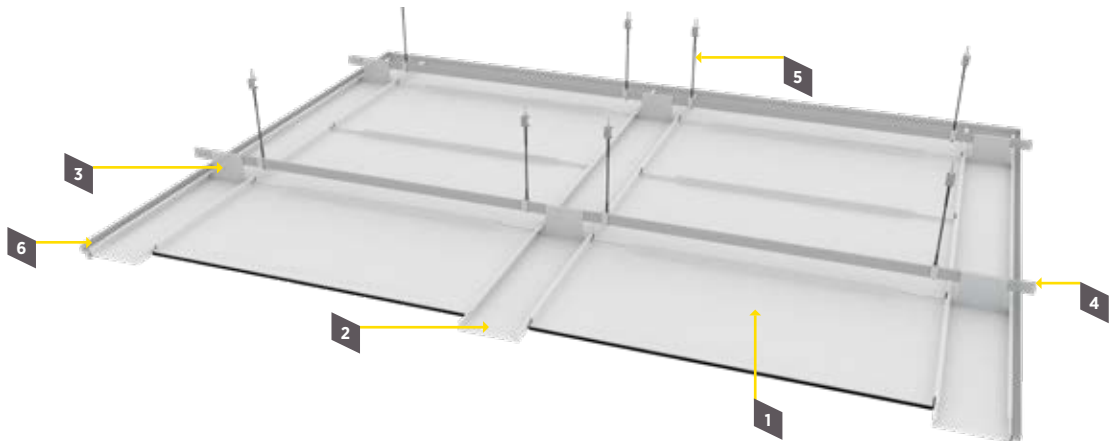
LINEAR TRACK



LINEAR TRACK SYSTEM COMPONENTS

Linear Track Panel 	Linear Track Channel 	Primary Channel
C-Channel Bracket 	Hanging System 	Perimeter Wall Angle Options

SYSTEM DRAWINGS



1 Linear Track Panel 2 Linear Track Channel 3 C-Channel Bracket 4 Primary Channel 5 Hanging System 6 Perimeter Wall Angle

SYSTEM SPECIFICATION

Material Classification

Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Thickness

Powder coat finish: 0.6mm – 1.4mm
Wooden finish: 0.6mm

Panel Height

30mm to 50mm

Linear Track Width

100mm / 150mm / 200mm /
250mm / 300mm

Panel Width

200mm to 600mm

Panel Length

Up to 2400mm

Edge (optional)

3mm black gasket

Light Reflectance Coefficient [LR]

Based on the finish color and perforation pattern, LR up to 0.82

Color

Standard colors are RAL 9016, RAL9006 and RAL9010.

Other RAL colors are available upon request
Wooden patterns are available upon request

Surface Burning Characteristics per ASTM E 84

Class A

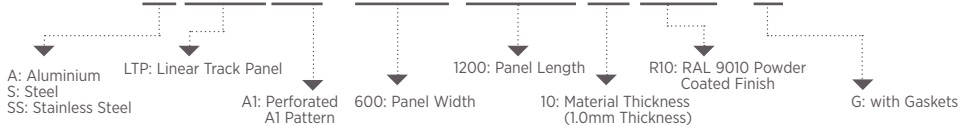
Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

ITEM CODIFICATION

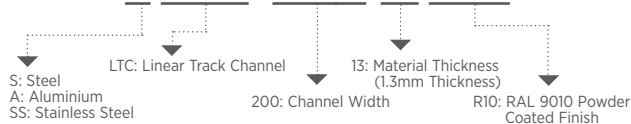
Linear Track Panel

ALTPA1-600120010R10-G



Linear Track Channel

SLTC-20013R10



LINEAR TRACK



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

LINEAR TRACK METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.


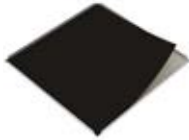
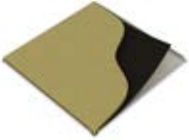

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber
			

* Additional backer options available for NRC and CAC enhanced total acoustical performance



CELEBRETTO TORSION SPRING

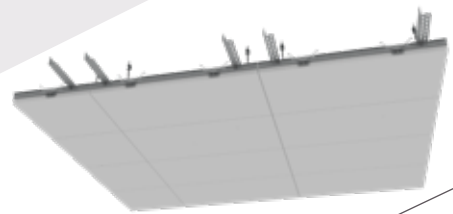


VISIT USGME.COM TO ORDER SAMPLES

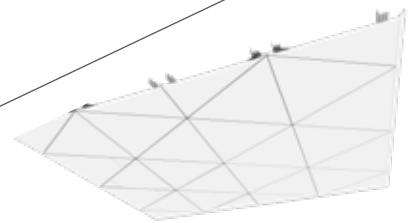


Refer to Colors, Finishes
and Perforation
Patterns Section

RECTANGULAR



TRIANGULAR



FEATURES AND BENEFITS

- Featuring a concealed suspension ceiling system with a variety of configurations that can fit any contemporary interior design.
- All panels are demountable allowing easy access to plenum for easy maintenance.
- Configurable panel sizes and layouts, allowing the designers flexibility in their design.
- Available in two standard designs: triangular and rectangular.

APPLICATIONS

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls
- Restaurants

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



TORSION SPRING



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

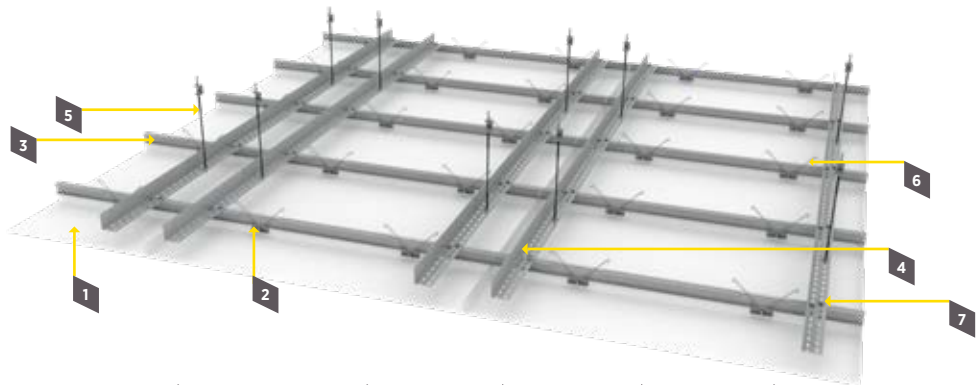


HEALTHCARE APPLICATION

TORSION SPRING SYSTEM COMPONENTS

Torsion Spring Panel Option Design	Hanging Profile	Torsion Spring Bracket
Torsion Spring Channel	Hanging System	Torsion Spring

SYSTEM DRAWINGS



1 Torsion panel 2 Torsion Spring Bracket 3 Torsion Spring Channel 4 Hanging Profile 5 Hanging system 6 Torsion Spring 7 Hex, Nuts & Washer 6mm

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Thickness
Powder coat finish: 0.6mm – 1.4mm
Wooden finish: 0.6mm

Panel Height
40mm to 70mm

Rectangular Panel Width
200mm to 600mm
Rectangular Panel Length
Up to 2400mm
Triangular Panel
Up to 1200mm

Light Reflectance Coefficient [LR]
Based on the finish color and perforation pattern, LR up to 0.82

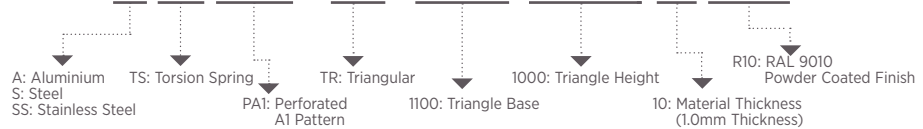
Surface Burning Characteristics per ASTM E 84
Class A

Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel sizes

ITEM CODIFICATION

ATSPA1-TR-1100100010R10



TORSION SPRING



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

TORSION SPRING METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

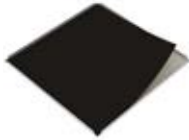
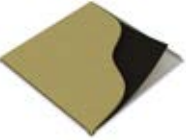
PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber
			

* Additional backer options available for NRC and CAC enhanced total acoustical performance



CELEBRETTO STRIP CEILING

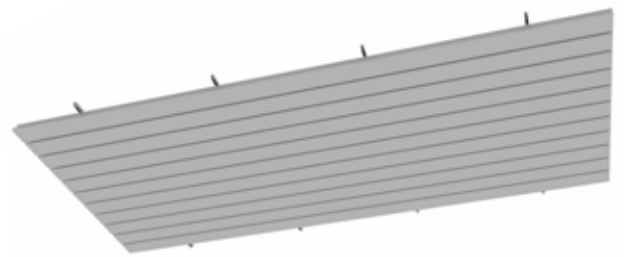


VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

STRIP CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- New strip panels offer beautiful aesthetics and acoustics.
- Enhanced NRC performance with added acoustical backer.
- Standard and customizable perforations are available to create numerous visual patterns and to help with acoustical performance.
- A variety of mounting arrangements are available to accommodate any installation requirements and conditions; concealed, closed gap and curved edges with filler strip

APPLICATIONS

- Corridors
- Commercial offices
- Public areas
- Reception
- Airport
- Restrooms

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%



STRIP CEILING

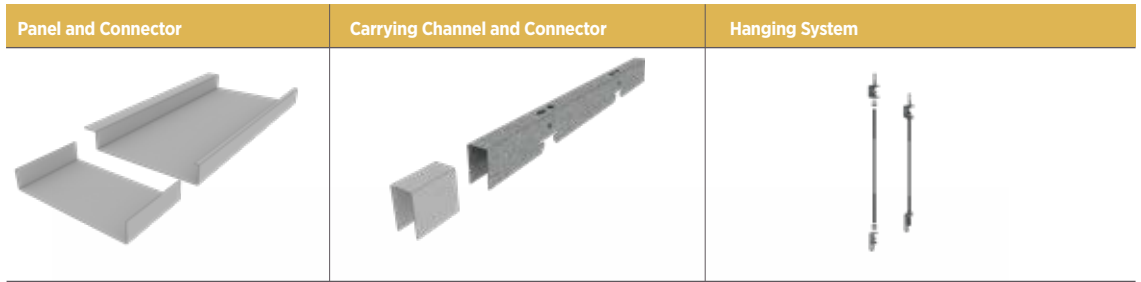


HIGH SOUND ABSORPTION

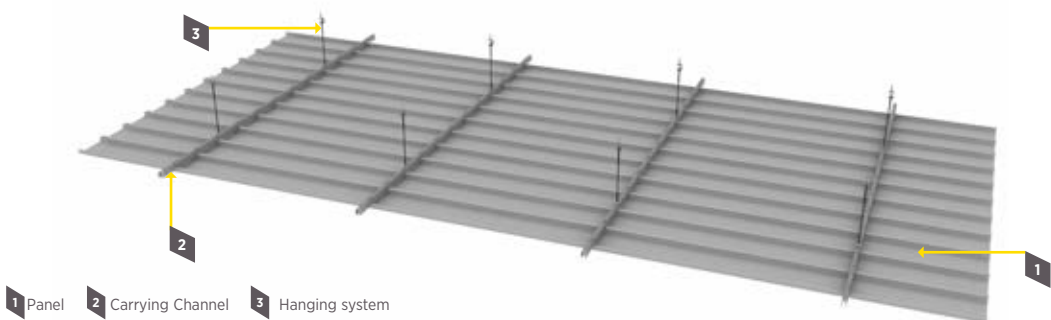


CEILING ATTENUATION CLASS

STRIP SYSTEM COMPONENTS



SYSTEM DRAWINGS



1 Panel 2 Carrying Channel 3 Hanging system

SYSTEM SPECIFICATION

Material Classification

Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: G

Thickness

Prepainted Galvanized Steel: 0.5mm - 0.7mm
Prepainted Aluminium: 0.6mm - 1.0mm
Powder Coated: 0.6mm - 1.0mm
Wooden Finish: 0.6mm

Panel Width

80mm to 200mm

Panel Length

Powder Coated: Up to 3.5M
Prepainted and Wood Finish: Up to 6M

Panel Height

Refer to strip design drawing

Light Reflectance Coefficient [LR]

Based on the finish color and perforation pattern, LR up to 0.82

Color

Standard colors are RAL 9016, RAL9006 and RAL9010.
Other RAL colors are available upon request

Surface Burning Characteristics per ASTM E 84

Class A

Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

ITEM CODIFICATION

AS-CG20-2007R16



STRIP METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber

* Additional backer options available for NRC and CAC enhanced total acoustical performance

STRIP CEILING



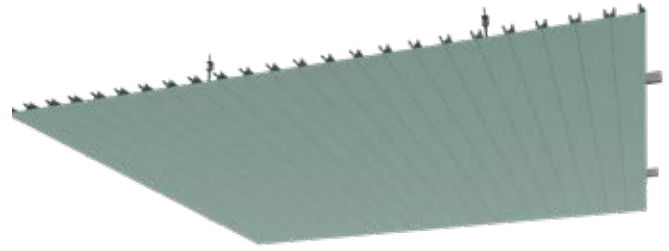
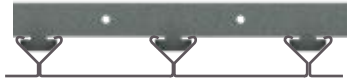
HIGH SOUND
ABSORPTION



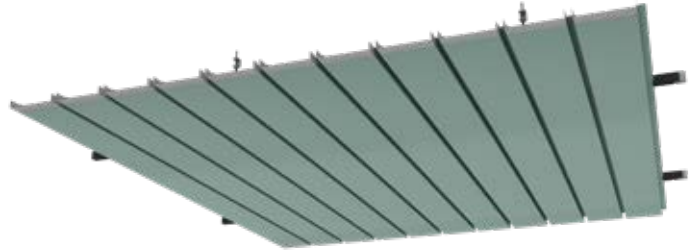
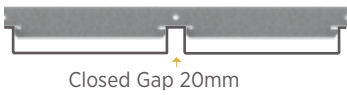
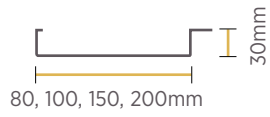
CEILING
ATTENUATION
CLASS

STRIP DESIGNS

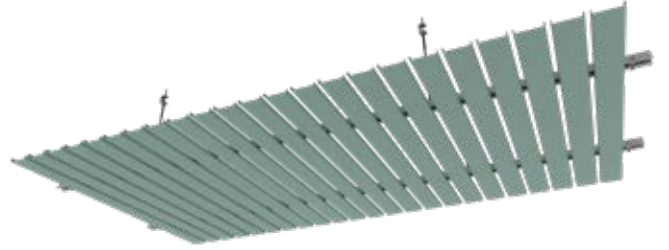
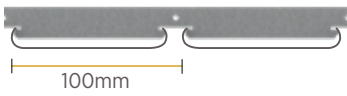
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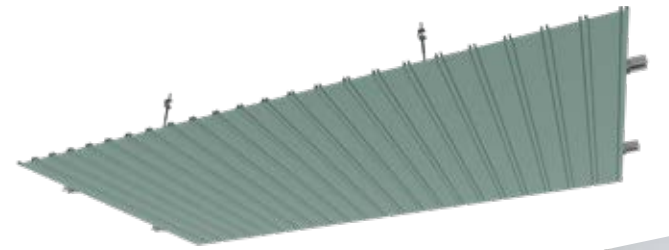
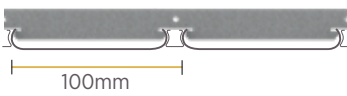
CG20: CLOSED GAP 20MM



CVD: CURVED EDGES



CVDF: CURVED EDGES WITH FILLER STRIP



CELEBRETTO PARALINE BAFFLES



FEATURES AND BENEFITS

- Paraline baffles are metal baffles with easy access to enclosed plenum.
- Available in a wide range of system sizes with different baffles dimensions and finishes, as per a project's requirements.
- Unique modern look that fits any interior design concept.
- Available with an optional closing strip.
- Available in plain and perforated pattern for acoustic performance.
- Special design - metal baffle integrated with linear strip ceiling to improve the space aesthetic and acoustic performance.
- Can be installed directly onto the existing ceiling or with hanging suspension system.

APPLICATIONS

- Entertainment
- Lobbies
- Restaurants
- Offices
- Transportation

VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

PARALINE BAFFLES DRAWINGS



Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern Standard with Plain Border**	0.15	0.35	0.50	0.75	0.70	0.60	0.60
A1 Pattern Fully Perforated***	0.30	0.50	0.90	1.0	1.05	1.0	0.85

* Calculated to ASTM C 423-01

** Acoustic Fleece and 50mm Soft Fiber Infill

*** Acoustic Fleece and 38mm Soft Fiber Infill



PARALINE BAFFLES



HIGH SOUND ABSORPTION

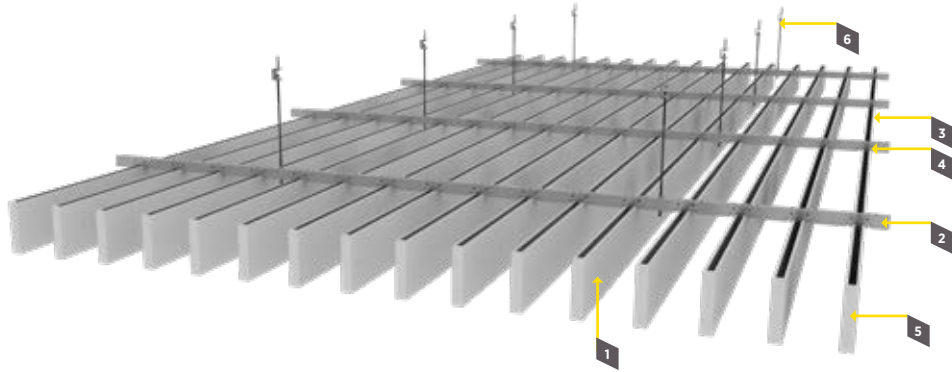


CEILING ATTENUATION CLASS

PARALINE BAFFLES CEILING SYSTEM COMPONENTS

Paraline Baffle, Connector & End Cap	Carrying Channel & Connector	Hanging System
Closing Strip (Baffle with closing strip option)	C-Channel Bracket (Baffle with closing strip option)	

SYSTEM DRAWINGS



1 Paraline Baffles 2 Metal Carrying Channel 3 Baffle Connecting Splice 4 Carrying Channel Connecting Splice 5 End Cap 6 Hanging System

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Thickness
Powder coat finish: 0.6mm – 1.4mm
Wooden finish: 0.6mm

Baffle Width
30mm / 40mm / 50mm / 80mm / 100mm / 150mm

Baffle Height
50mm / 80mm / 100mm / 150mm / 200mm

Baffle Length
Up to 2400mm

Baffle Spacing (clear gap)
Min 30mm

Light Reflectance Coefficient [LR]
Based on the finish color and perforation pattern, LR up to 0.82

Color
Standard colors are RAL 9016, RAL9006 and RAL9010.
Other RAL colors are available upon request

Surface Burning Characteristics per ASTM E 84

Class A

Additional Information

- Recommended spacing is to be equal to the height of the baffle
- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

ITEM CODIFICATION

Paraline Baffles

SPBA1-301007R16-SF25

S: Steel
A: Aluminium

PA1: Perforated A1 Pattern
PB: Paraline Baffle

100: Baffle Height
30: Baffle Width

R16: RAL 9016
7: Material Thickness (0.7mm Thickness)

SF25: Soft Fiber Infill 25mm Thickness

Carrying Channel

CC301206R05

CC: Carrying Channel

120: Clear Gap Between Carrying Channel

30: Carrying Channel Width

R05: RAL 9005 Powder Coating
6: Material Thickness (0.6mm thickness)

PARALINE BAFFLES



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

PARALINE BAFFLES METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

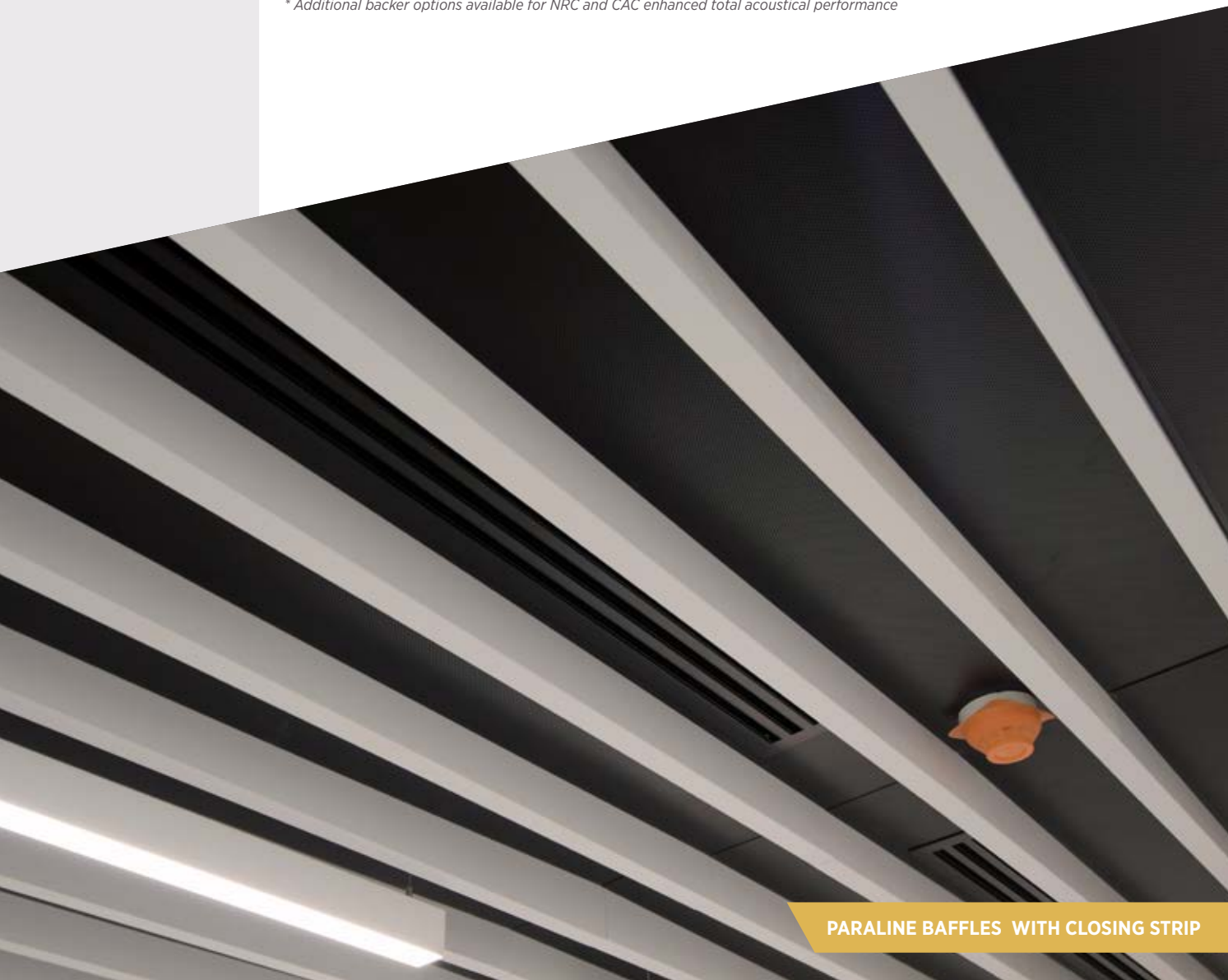
MATERIAL DESCRIPTION	ACOUSTIC TREATMENT	ACOUSTIC TREATMENT	SOUND ABSORPTION	
			NRC	α_w
Metal Baffles 2400x100x50mm, 100mm spacing O.C.	A1, Standard with Plain Border	Acoustic Fleece and 50mm SF Infill	0.60	0.55
Metal Baffles 2400x120x40mm, 120mm spacing O.C.	A1, Fully Perforated	Acoustic Fleece and 38mm SF Infill	0.85	0.80

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%
SF: Soft Fiber

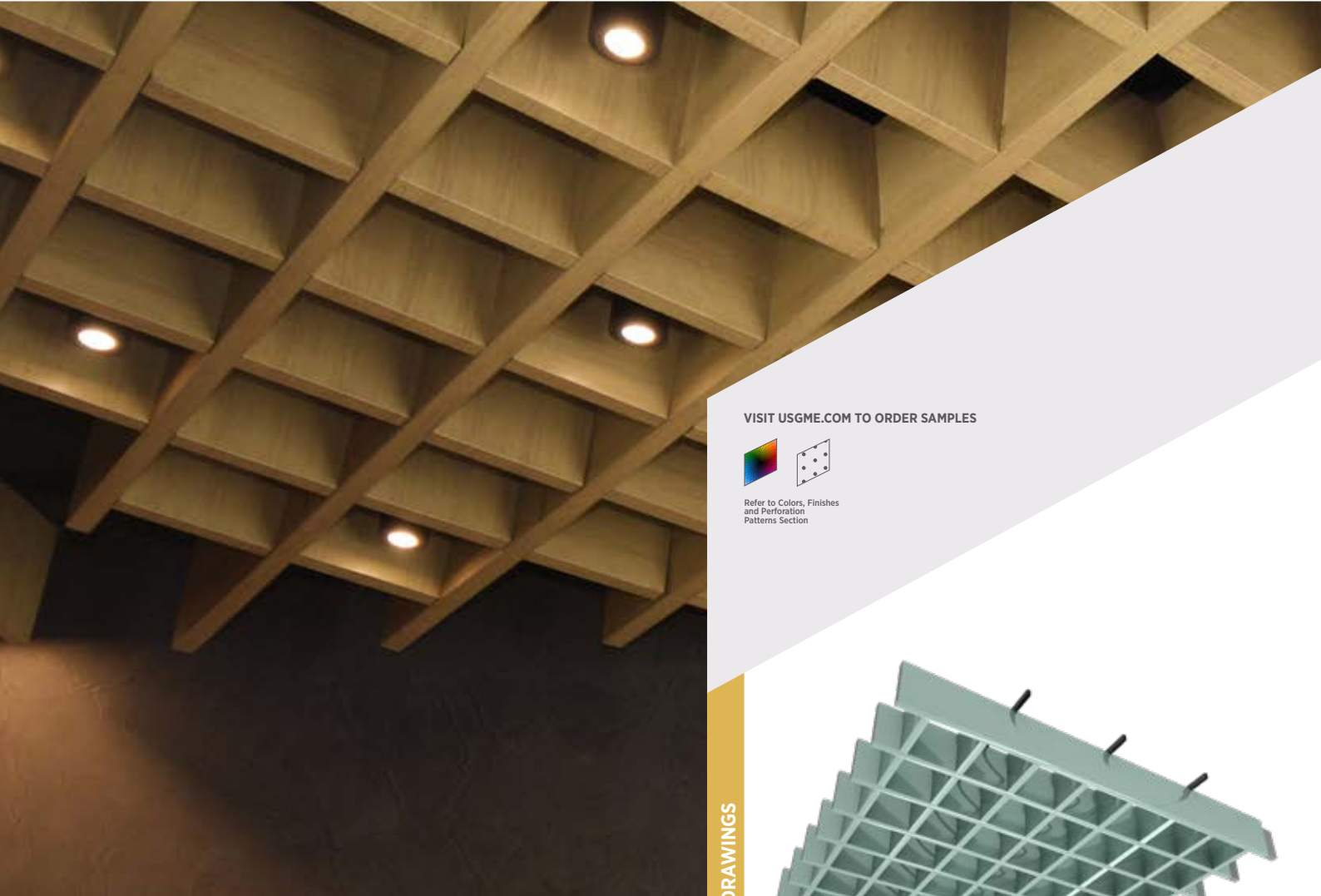
INFILL OPTIONS* STANDARD WITH PLAIN BORDER OPTIONAL FULLY PERFORATED

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber

* Additional backer options available for NRC and CAC enhanced total acoustical performance



CELEBRETTO CROSSING BAFFLES



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

CROSSING BAFFLE DRAWINGS



FEATURES AND BENEFITS

- Free span solution - eliminates the need for threaded rods and vertical hangers.
- Ideal for corridors that have condensed MEP fixtures.
- Total access to ceiling void, allowing easy maintenance.
- Quick installation.

APPLICATIONS

- Airports
- Business & residential towers
- Hotels
- Entertainment Hallways
- Restaurants

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern Standard with Plain Border**	0.15	0.35	0.50	0.75	0.70	0.60	0.60
A1 Pattern Fully Perforated***	0.30	0.50	0.90	1.0	1.05	1.0	0.85

* Calculated to ASTM C 423-01

** Acoustic Fleece and 50mm Soft Fiber Infill

*** Acoustic Fleece and 38mm Soft Fiber Infill



CROSSING BAFFLES



HIGH SOUND ABSORPTION

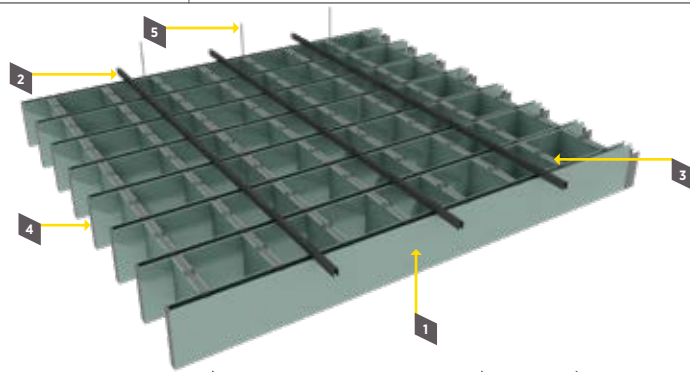


CEILING ATTENUATION CLASS

CROSSING BAFFLES CEILING SYSTEM COMPONENTS

Main Baffle with Connector and End Cap	Crossing Baffle with Suspension	Carrying Channel With Connector
Hanging System		

SYSTEM DRAWINGS



1 Main Baffle 2 Carrying Channel Connecting Splice 3 Crossing Baffle Connecting Splice 4 End Cap 5 Hanging System

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Thickness
Powder coat finish: 0.6mm - 1.4mm
Wooden finish: 0.6mm

Baffle Width
30mm / 40mm / 50mm / 80mm / 100mm / 150mm

Baffle Height
50mm / 80mm / 100mm / 150mm / 200mm

Baffle Length
Up to 2400mm

Baffle Spacing (clear gap)
Min 30mm

Light Reflectance Coefficient [LR]
Based on the finish color and perforation pattern, LR up to 0.82

Surface Burning Characteristics per ASTM E 84
Class A

Color
Standard colors are RAL 9016, RAL9006 and RAL9010.

Other RAL colors are available upon request

Additional Information

- Recommended spacing is to be equal to the height of the baffle
- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

ITEM CODIFICATION

Main Baffle

SCBM-402007WF4



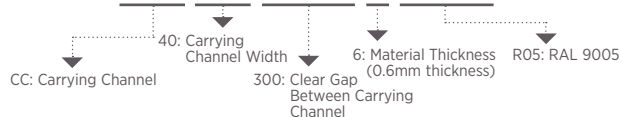
Crossing Baffle

SCBC-402003007WF4



Carrying Channel

CC403006R05



CROSSING BAFFLES



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

CROSSING BAFFLES METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available. Consult with the USG Middle East technical team for further guidance.

MATERIAL DESCRIPTION	ACOUSTIC TREATMENT	ACOUSTIC TREATMENT	SOUND ABSORPTION	
			CAC	Dnfw
Metal Baffles 2400x100x50mm, 100mm spacing O.C.	A1, Standard with Plain Border	Acoustic Fleece and 50mm SF Infill	0.60	0.55
Metal Baffles 2400x120x40mm, 120mm spacing O.C.	A1, Fully Perforated	Acoustic Fleece and 38mm SF Infill	0.85	0.80

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

SF: Soft Fiber

INFILL OPTIONS*

STANDARD WITH PLAIN BORDER

OPTIONAL FULLY PERFORATED

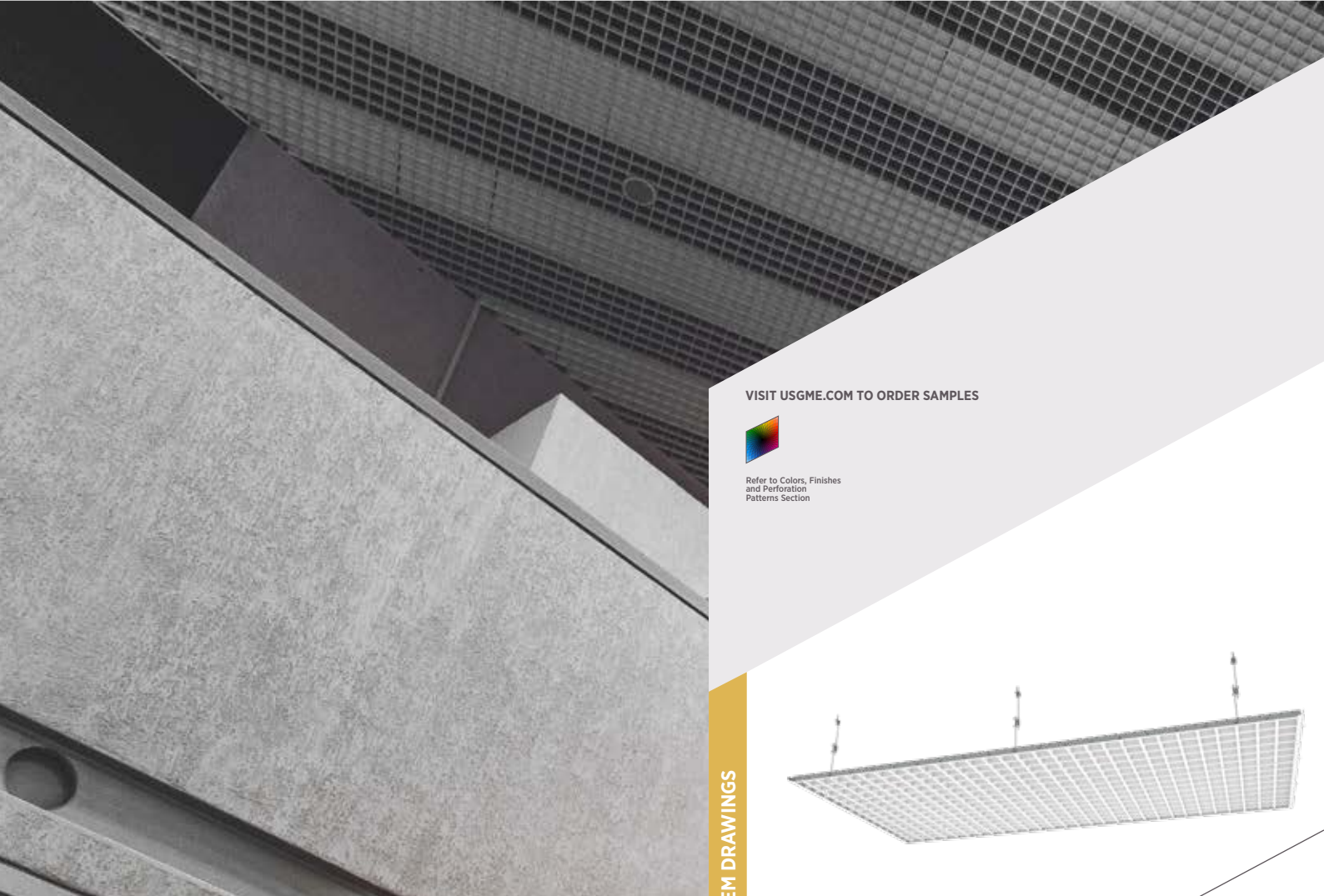
Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber

* Additional backer options available for NRC and CAC enhanced total acoustical performance



CELEBRETTO

QUADRA CELL

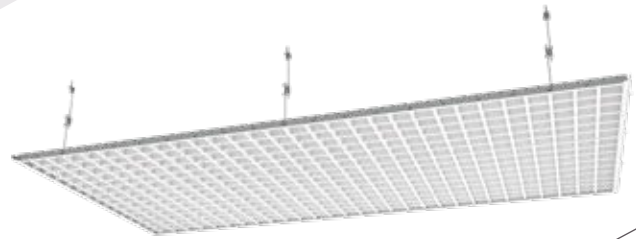


VISIT USGME.COM TO ORDER SAMPLES

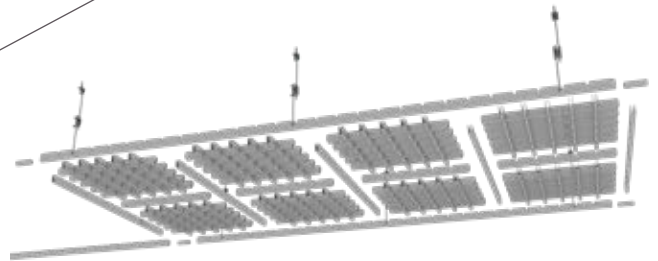


Refer to Colors, Finishes
and Perforation
Patterns Section

T15 LAY-IN CEILING SYSTEM DRAWINGS



T10 TRACKLESS CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Available in two main designs: T15 Lay-in ceiling and T10 Trackless ceiling systems.
- Economical grade ceiling solution that meets all commercial design concepts.
- Easy integration with MEP services.
- Quick installation.
- Accessible ceiling panel for the T15 Lay-in.
- Wide variety of modules and sizes.
- Available in pyramid and U shape designs.

APPLICATIONS

- Airports
- Entertainment
- Restaurants
- Retail
- Shopping malls
- Electrical Rooms



QUADRA CELL
T15 LAY-IN PANEL

T15 LAY-IN AND T10 TRACKLESS SYSTEM SPECIFICATION

Material Classification

Aluminium: Type VII
Pattern: G
Thickness
Powder coat finish: 0.4mm
Pre-painted aluminium: 0.4mm
Wooden finish: 0.6mm

Panel Sizes

600x600mm
Module Sizes
50x50mm, 75x75mm, 100x100mm

Module Height

30mm, 50mm, 60mm

Exposed Module Width

10mm (trackless) and 15mm for T15 Lay-in

Surface Burning Characteristics per ASTM E 84

Class A

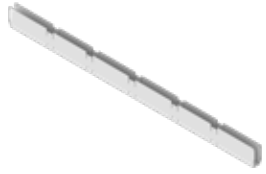


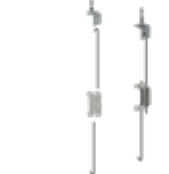
Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

ACOUSTIC PERFORMANCE

A variety of sound absorbing backings are available. USG Middle East supply acoustic infills can achieve sound absorption performance of up to α_w 0.95. Consult USG Middle East technical team for further guidance.

T15 LAY-IN SYSTEM COMPONENTS

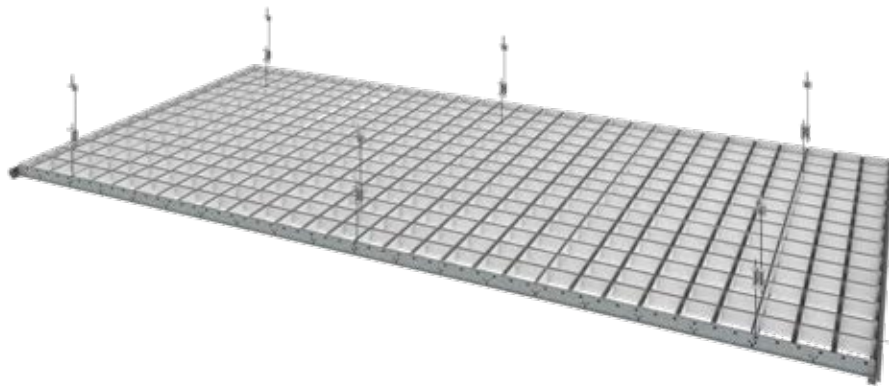
T15 Male Profile	T15 Female Profile	T15 Lay-In Perimeter Profile	Suspension Accessories
			



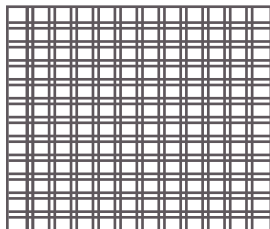
Suspension System

Main Tee 3600mm,
Cross Tee 1200mm,
Cross Tee 600mm,
Perimeter Wall Angle

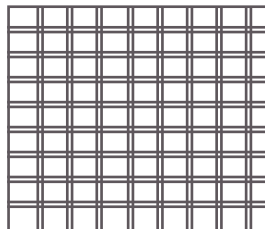
SYSTEM DRAWINGS



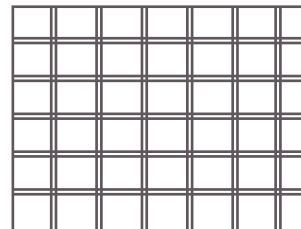
T15 LAY-IN SYSTEM CONFIGURATIONS



50x50mm



75x75mm





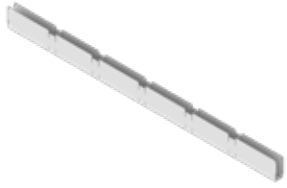
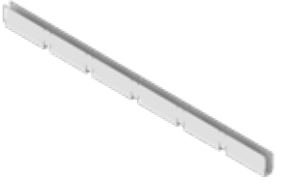




100x100mm

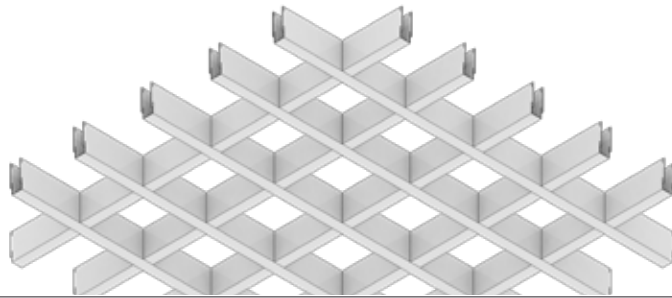
T15 Lay-In system height is up to 50mm

QUADRA CELL
T10 TRACKLESS

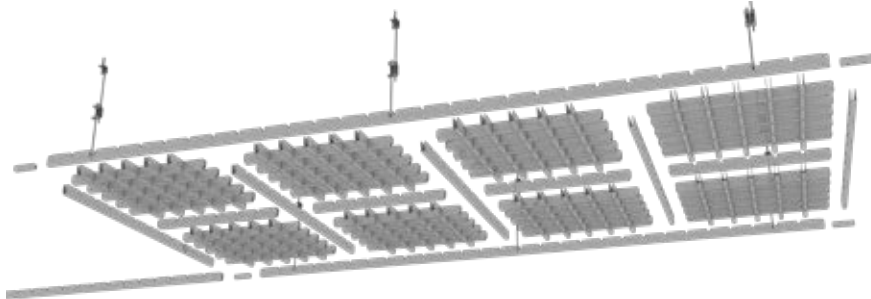
T10 TRACKLESS SYSTEM COMPONENTS

Main Carrier 1800mm	Cross Carrier 1200mm	Cross Carrier 600mm	Main Carrier Splice
			
T10 Male Profile	T10 Female Profile	Shadowline Wall Angle	Suspension Accessories
			 Rod Hanger, Butterfly Clips

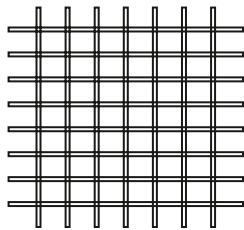
T10 TRACKLESS PANEL



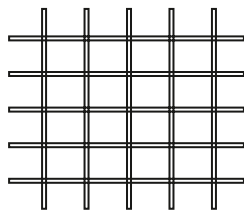
SYSTEM DRAWINGS



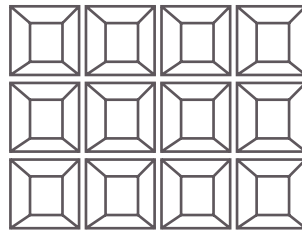
T10 TRACKLESS SYSTEM CONFIGURATIONS



75x75mm



100x100mm



Pyramid
75x75mm and 100x100mm

T10 Trackless system height is up to 30mm
T10 Pyramid Trackless system height is up to 60mm

CELEBRETTO

METAL CANOPIES



FEATURES & BENEFITS

- Decorative floating elements, which can be configured to various shapes and sizes.
- Exceptional sound absorption with NRC values up to 0.90.
- Wide range of colors and finishes.
- Ideal for providing both visual accents and acoustical control.
- Easy to install.

APPLICATIONS

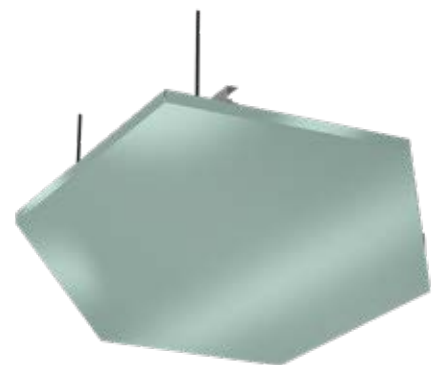
- Open-plenum areas
- Convention halls and concourses
- Reception and lobby areas
- Offices with indirect lighting
- Media rooms
- Libraries
- Restaurants
- Retail
- Hospitality

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Refer to Colors, Finishes
and Perforation
Patterns Section

METAL CANOPIES DRAWINGS





METAL CANOPIES


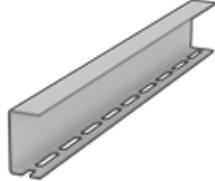



HIGH SOUND ABSORPTION

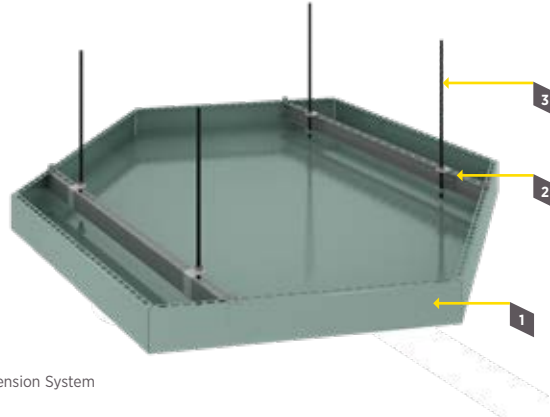


CEILING ATTENUATION CLASS

METAL CANOPIES CEILING SYSTEM COMPONENTS

Metal Canopy	Slotted Track	Suspension System
		

SYSTEM DRAWINGS



1 Metal Canopy 2 Slotted Track 3 Suspension System

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Panel Thickness
Powder coat finish: 0.6mm – 1.4mm
Wooden finish: 0.6mm

Panel Height
50mm to 100mm

Panel Arrangements
Refer to the systems configuration table

Light Reflectance Coefficient [LR]
Based on the finish color, Up to 0.82

Surface Burning Characteristics per ASTM E 84
Class A

Infill Option
Available in soft fiber infill option

Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

ITEM CODIFICATION

ACPY150-HEX-100014R1035

A: Aluminium
S: Steel
SS: Stainless Steel

CPY: Canopy

Hex: Hexagonal Shape

14: Material Thickness (1.4mm Thickness)

150: Canopy Height

1000: Canopy Diameter

R1035: RAL 1035

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber
			

* Additional backer options available for NRC and CAC enhanced total acoustical performance

METAL CANOPIES



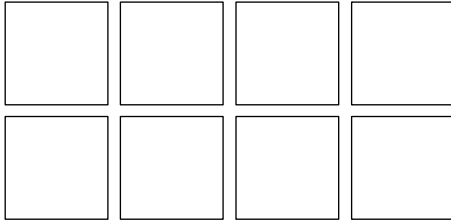
HIGH SOUND ABSORPTION



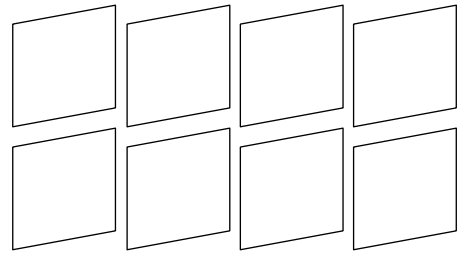
CEILING ATTENUATION CLASS

SYSTEMS CONFIGURATIONS*

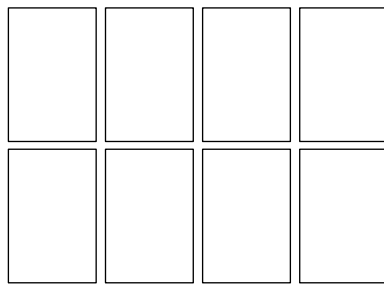
Square



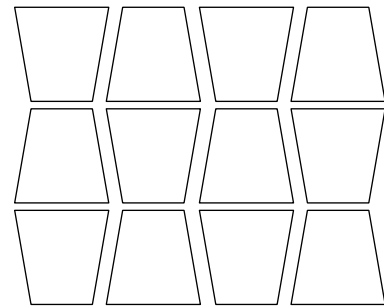
Parallelogram



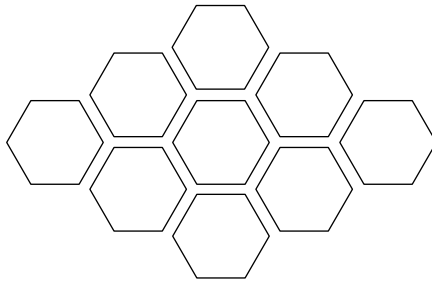
Rectangle



Trapezoid



Hexagon



* Refer to USG Middle East technical team for size limitation and suspension accessories. Other configurations are available upon request.



CELEBRETTO

EXPANDED METAL MESH CEILING



FEATURES AND BENEFITS

- Expanded Metal Mesh ceilings are becoming widely popular amongst designers due to their raw industrial appearance.
- Improves the smoke extraction requirements.
- Mainly available in lay-on and hook-on systems.
- Available in many mesh patterns, colors, and with an optional acoustic infill to improve acoustic requirements.
- The mesh ceiling allows a more refined industrial look as well as an alternative option to exposed soffit.

APPLICATIONS

- Restaurant
- Public areas
- Reception
- Lobbies
- Office spaces
- Airport

VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

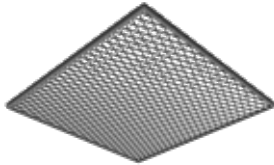


EXPANDED METAL MESH CEILING DRAWING



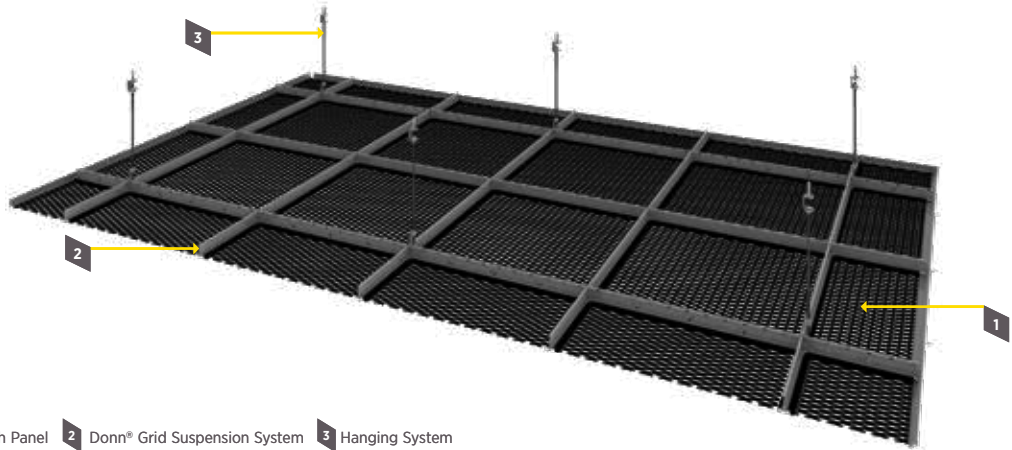


EXPANDED METAL MESH CEILING

EXPANDED METAL MESH SYSTEM COMPONENTS LAY-ON SYSTEM

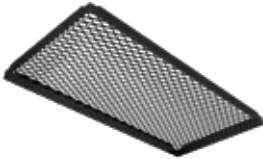
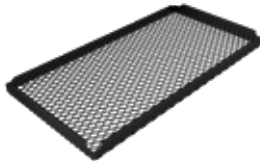

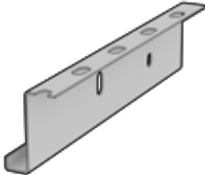
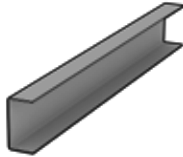

Mesh Ceiling Panel	Suspension System (DONN® Brand)	Hanging System
		

SYSTEM DRAWINGS

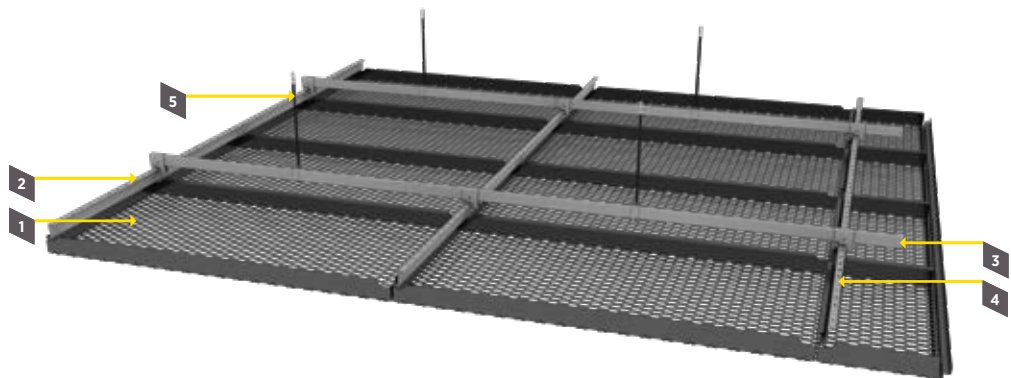


1 Mesh Panel 2 Donn® Grid Suspension System 3 Hanging System

EXPANDED METAL MESH SYSTEM COMPONENTS HOOK-ON SYSTEM

Hook-On Panel Bottom	Hook-On Panel Top	Hanging System
		
J-Profile	Primary Channel	J-Profile Hanging Bracket
	 Galvanized Steel, H=40mm, L=3000mm	

SYSTEM DRAWINGS



1 Hook-On Panel 2 J-Profile 3 Primary Channel 4 J-Profile Hanging Bracket 5 Hanging System

EXPANDED METAL MESH CEILING

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Pattern: Z

Panel Size
300 x 300mm, 300 x 1200mm,
300 x 1500mm, 600 x 600mm,
600 x 1200mm

Thickness
1.5mm-3mm

Height
Lay-on: 20mm-30mm
Hook-on: 40mm up to 200mm

Color
Standard colors are RAL 9005, RAL 9006,
RAL 9016
Other RAL colors are available upon request.

Infill
Mineral fiber (optional)
Soft fiber Infill (optional)

Surface Burning Characteristics per ASTM E 84

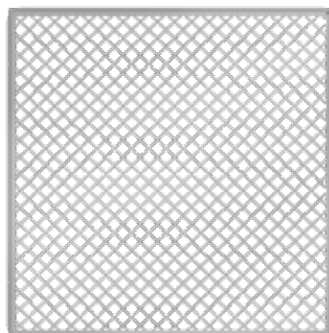
Class A

Additional Information

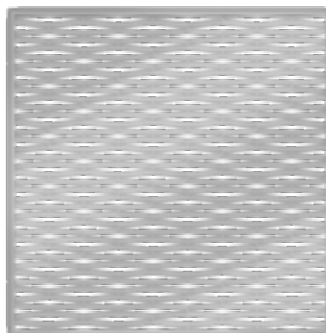
- Thickness depends on panel sizes and project requirements
- Consult factory for other panel sizes

EXPANDED METAL MESH CEILING PATTERNS

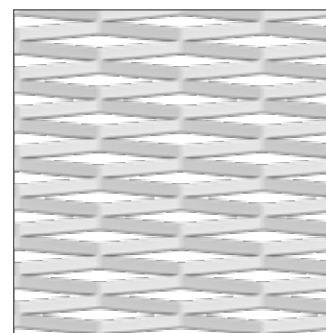
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
M 1	30mm	31mm	5mm	2mm	61.30%
M 2	30mm	125mm	20mm	3mm	72.87%



M 1

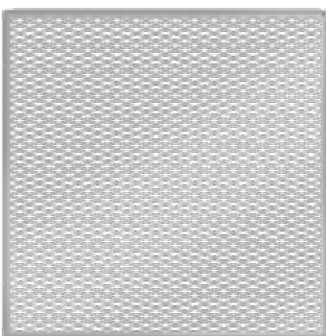


M 2

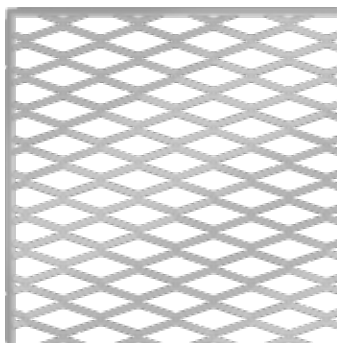


M Mesh Pattern

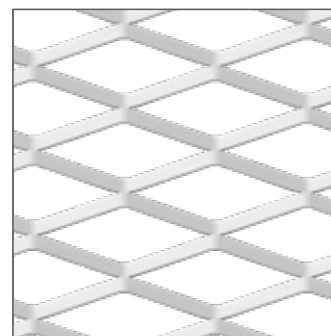
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
S 1	15mm	35mm	5mm	2mm	54.71%
S 2	60mm	130mm	20mm	3mm	45%



S 1

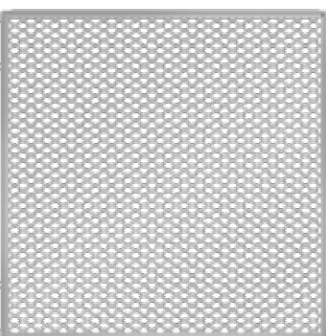


S 2

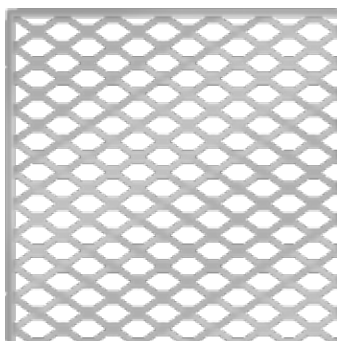


S Mesh Pattern

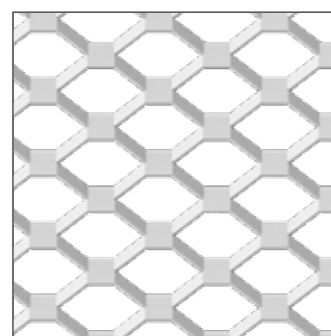
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
L 1	18mm	29mm	5mm	2mm	48.25%
L 2	54mm	78mm	20mm	3mm	48.26%



L 1



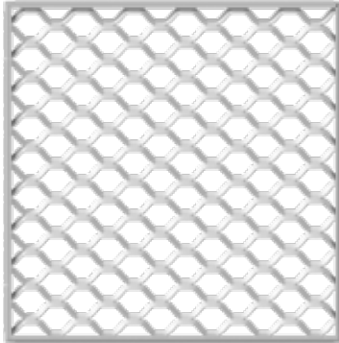
L 2



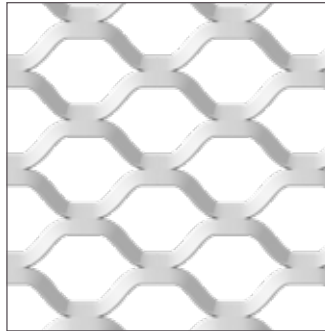
L Mesh Pattern

EXPANDED METAL MESH CEILING

Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
R 1	60mm	90mm	20mm	3mm	58.66%

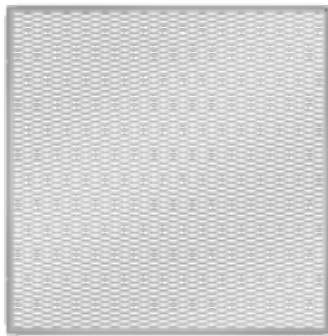


R 1

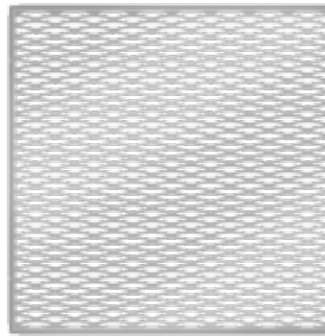


R Mesh Pattern

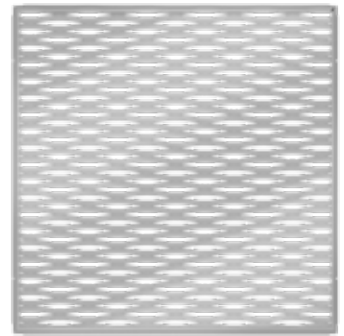
Pattern Name	S.W	L.W	Strand Width	Thickness	Open Area
G 1	10mm	35mm	5mm	2mm	64.93%
G 2	20mm	70mm	10mm	2mm	54.73%
G 3	30mm	105mm	20mm	3mm	51.10%



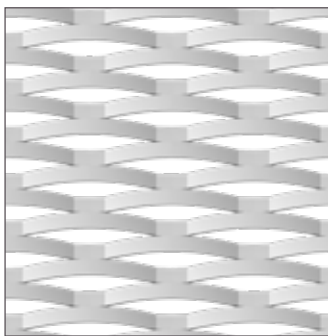
G 1



G 2



G 3



G Mesh Pattern

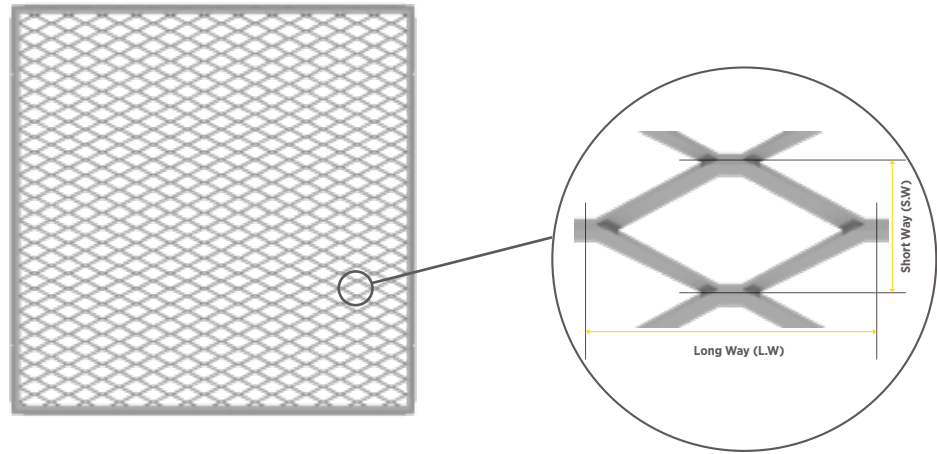
INFILL



Expanded Metal Mesh with Infill

EXPANDED METAL MESH CEILING

L.W / S.W
ILLUSTRATION



ITEM CODIFICATION

SMSHLO-M1-600120015R05

A: Aluminium
S: Steel

LO: Lay-On

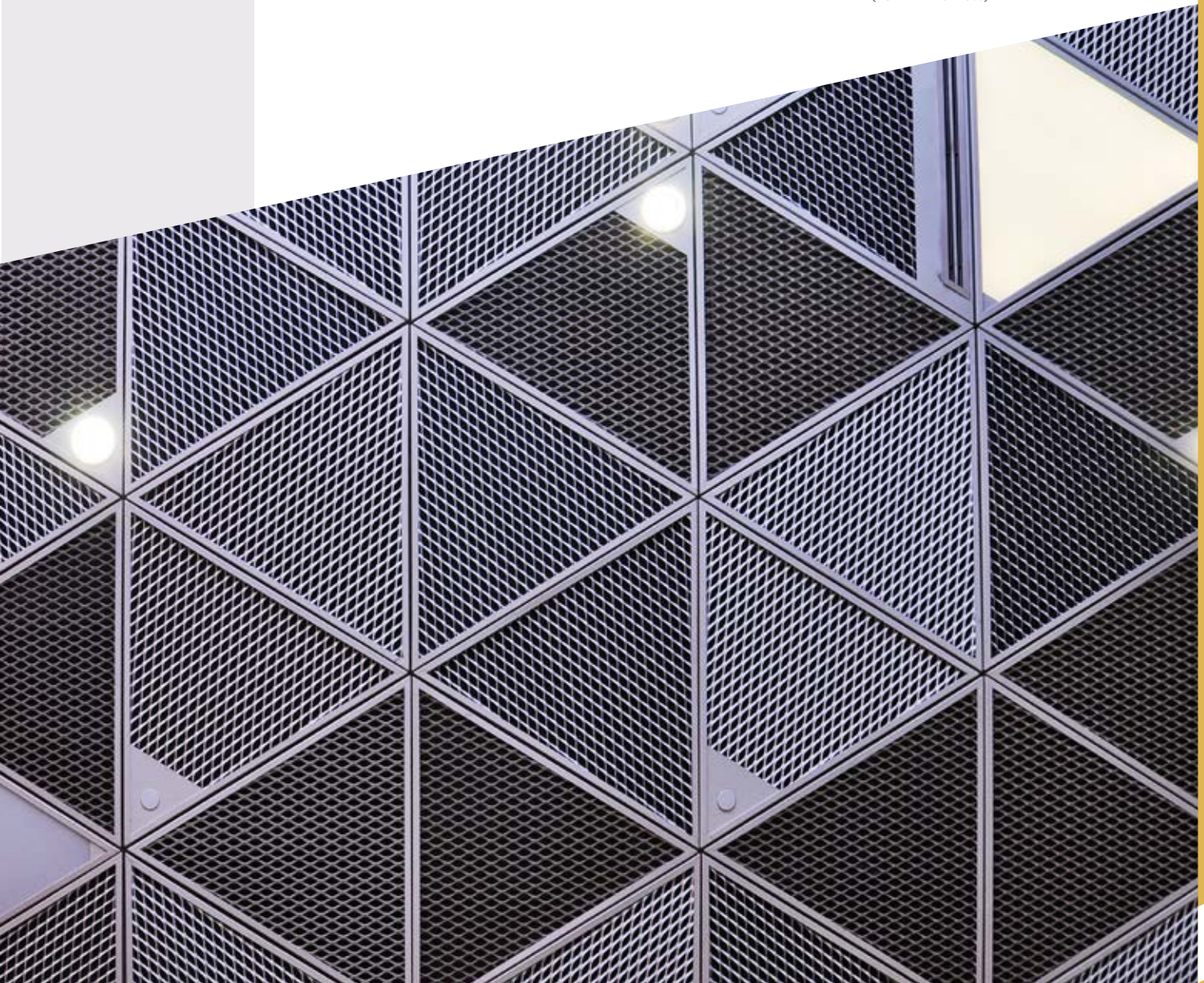
6001200: Mesh Panel Dimension

R05: Color

MSH: Mesh Ceiling

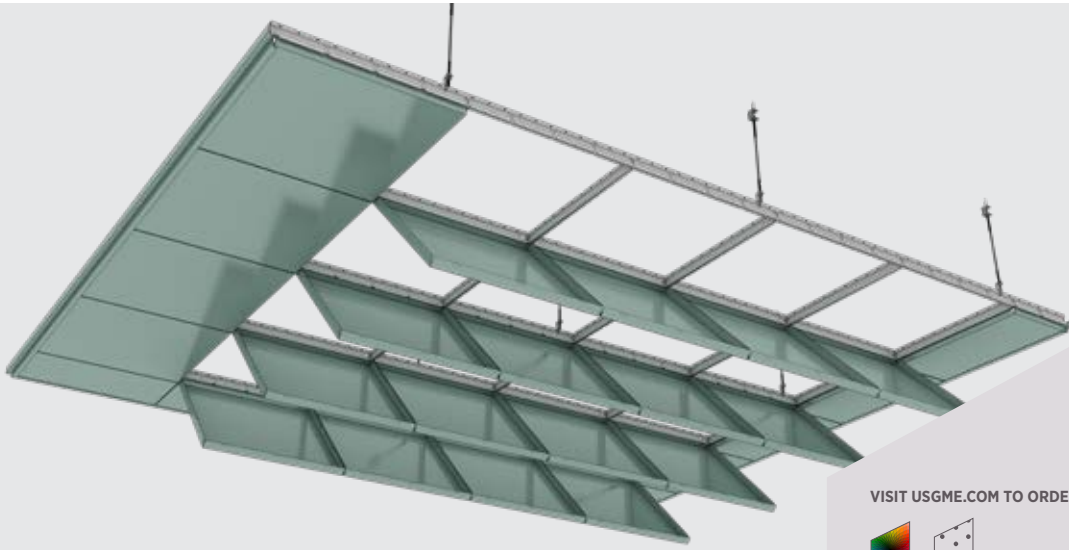
M1: Pattern M1

15: Thickness
(1.5mm Thickness)



CELEBRETTO

SNAP-IN (HINGE DOWN)

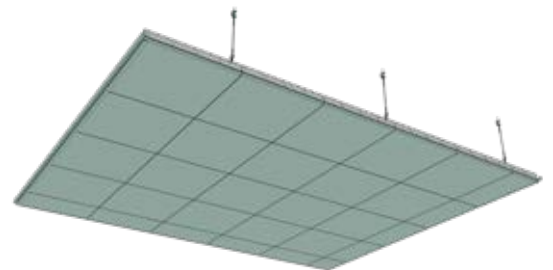


VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

SNAP-IN CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Fully accessible panelized cassette system.
- Acoustical performance utilizing perforations and sound absorbing infill materials.
- Standard and customizable perforations available to create visual patterns.
- Varied mounting arrangements available for various installation requirements.
- System to be installed with USG DONN® Brand DXF® FINELINE® acoustical suspension system.
- Class A per ASTM E84.

APPLICATIONS

- Interior ceilings applications
- Wall to wall ceilings
- Renovation and restoration projects
- New construction
- Downward accessible

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

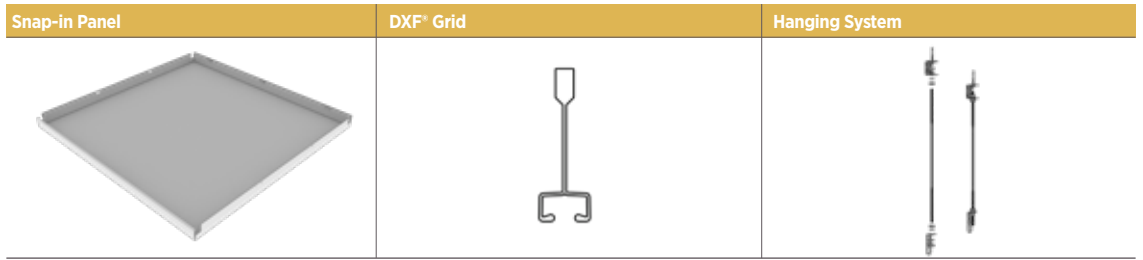
** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

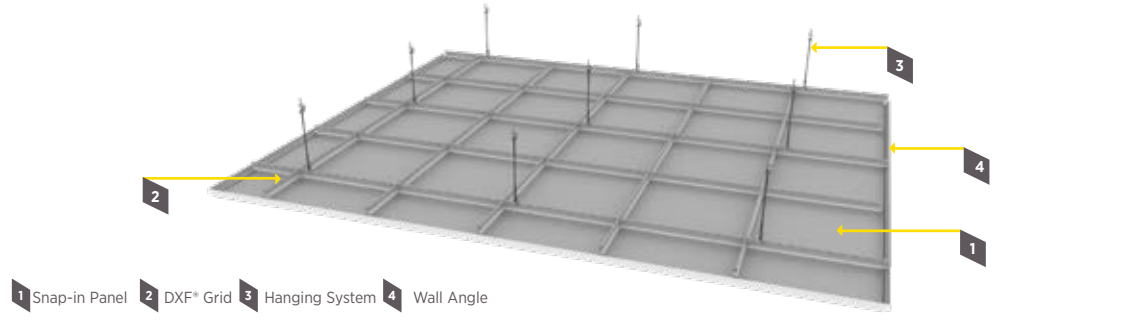
SNAP-IN (HINGE DOWN)



SNAP-IN SYSTEM COMPONENTS



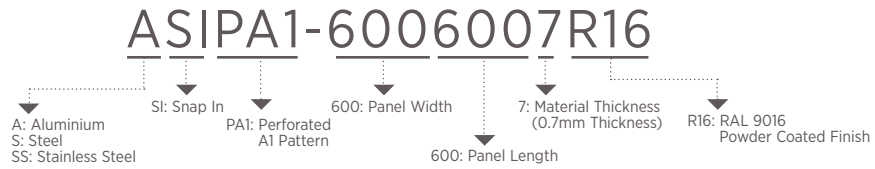
SYSTEM DRAWINGS



SYSTEM SPECIFICATION

Material Classification Galvanized Steel: Type V Aluminium: Type VII Stainless Steel: Type VI Pattern: A, C, G Thickness Powder coat finish: 0.6mm - 1.4mm Wooden finish: 0.6mm Panel Height 20mm	Panel Size 600x600mm Light Reflectance Coefficient [LR] Based on the finish color and perforation pattern, LR up to 0.82 Color Standard colors are RAL 9016, RAL9006 and RAL9010. Other RAL colors are available upon request Wooden patterns are available upon request	Surface Burning Characteristics per ASTM E 84 Class A Additional Information <ul style="list-style-type: none"> Thickness depends on panel sizes and project requirements Consult factory for other panel widths
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ITEM CODIFICATION



SNAP-IN METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber

* Additional backer options available for NRC and CAC enhanced total acoustical performance

CELEBRETTO GEOMETRIX

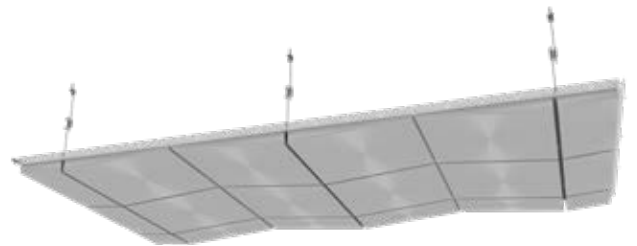


VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

GEOMETRIX CEILING SYSTEM DRAWINGS



FEATURES AND BENEFITS

- Multiple panels depths lend new dimension to ceiling design
- Panel depths of 7mm-200mm provide an array of possibilities for the architect.
- 600x600mm lay-in panels are compatible with USG Middle East DONN® brand suspension systems for T24 or T15.
- Plain or perforated panels.
- Available in custom colors for design versatility.
- Panel configuration available in flat panel and wedge panel.

APPLICATIONS

- All commercial applications
- Interior applications
- Wall to wall ceilings
- New construction or renovation

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil



GEOMETRIX



HIGH SOUND ABSORPTION

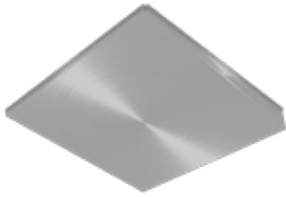




CEILING ATTENUATION CLASS

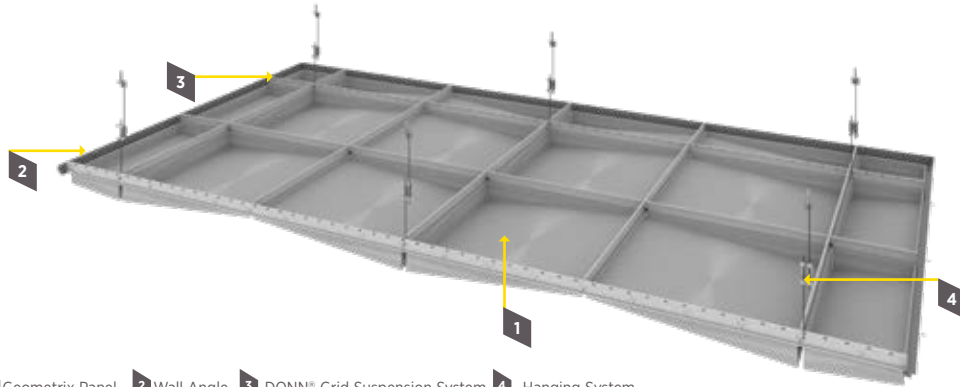


HEALTHCARE APPLICATION

GEOMETRIX SYSTEM COMPONENTS

Geometrix Panel	Suspension System (DONN® Brand)	Hanging System
		

SYSTEM DRAWINGS



1 Geometrix Panel 2 Wall Angle 3 DONN® Grid Suspension System 4 Hanging System

SYSTEM SPECIFICATION

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Panel Thickness
Powder coat finish: 0.6mm - 1.4mm
Wooden finish: 0.6mm
Panel Size
600x600mm

Panel Depth (Height)
7mm - 200mm

Edge
Lay-in square edge

Light Reflectance Coefficient [LR]
Based on the finish color and perforation pattern, LR up to 0.82

Surface Burning Characteristics per ASTM E 84

Class A

Additional Information

- Thickness depends on panel sizes and project requirements
- Consult factory for other panel widths

GEOMETRIX METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.


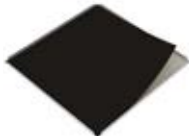
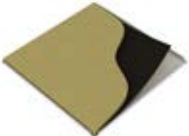

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber
			

* Additional backer options available for NRC and CAC enhanced total acoustical performance

GEOMETRIX



HIGH SOUND ABSORPTION



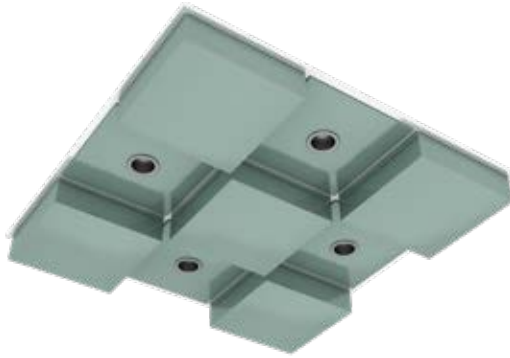
CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

GEOMETRIX DESIGNS

DESIGN 1



DESIGN 2



DESIGN 3



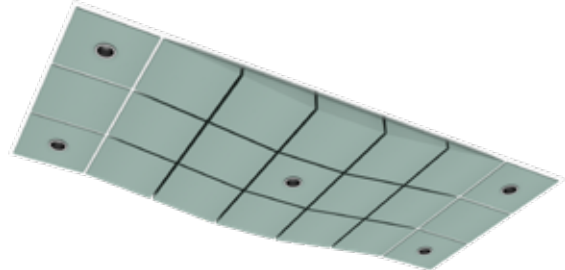
DESIGN 4



DESIGN 5



DESIGN 6



PANELS CONFIGURATIONS

FLAT PANEL	WEDGE PANEL
<p>7mm</p>	<p>77mm</p>
<p>up to 200mm</p>	<p>up to 200mm</p> <p>80mm</p>

ITEM CODIFICATION

ALGX150N-6006007R16

A: Aluminium
S: Steel
SS: Stainless Steel

LGX: Lay-In Geometrix

N : Narrow (T15 grid)
W: Wide (24 grid)

150: Panel Depth

600600: Panel Dimensions

7: Material Thickness (0.7mm thickness)

R16: RAL 9016 Powder Coated Finish

CELEBRETTO

LAY-IN METAL CEILING



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes
and Perforation
Patterns Section

LAY-IN CEILING SYSTEM DRAWINGS



FEATURES & BENEFITS

- Durable and washable polyester powder finish.
- Wide range of standard perforation patterns.
- Wide range of optional wooden patterns.
- Easy access for service maintenance.
- Robust and easy to clean.
- High sound absorption and sound attenuation.
- Environmentally friendly and recyclable.

APPLICATIONS

- Transportation & airports
- Educational
- Healthcare
- Commercial buildings
- Hi-Rise & offices
- Financial & banking
- Malls & residential
- Kitchen & dietary
- Laundry

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

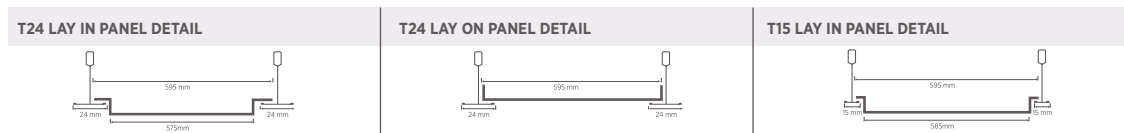
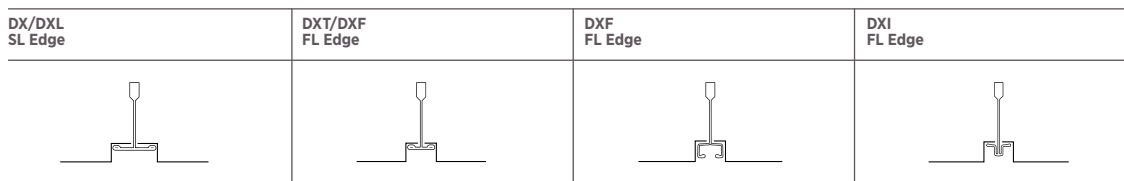
** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

LAY-IN METAL CEILING



GRID PROFILE OPTIONS

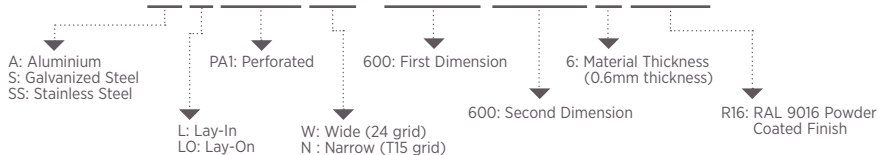


SPECIFICATION DETAILS

<p>Lay-in Metal Ceiling by USG ME meets the requirements in accordance with ASTM E1264</p> <p>Material Classification Galvanized Steel: Type V Aluminium: Type VII Stainless Steel: Type VI Pattern: A, C, G</p> <p>Panel Size 300 x 300mm, 600 x 600mm, 600 x 1200mm</p> <p>Panel Thickness 0.5 to 1.4mm</p> <p>Panel Height 10mm, 20mm</p>	<p>Edge Detail Trim Reveal [SL, FL]</p> <p>Light Reflectance Coefficient [LR] Based on the finish color and perforation pattern, LR up to 0.82</p> <p>Color Standard colors are RAL 9016, RAL9006 and RAL9010. Other RAL colors are available upon request. Wooden patterns are available upon request</p> <p>Surface Burning Characteristics per ASTM E 84 Class A</p>	<p>Infill Options Plain Acoustical Fleece Acoustical Fleece and Glass Wool Acoustical Fleece and Mineral Fiber</p> <p>Washability / Scrubbability as per ASTM D4828 & D2486 Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion</p> <p>Relevant LEED® Credit EA Credit 1 MR Credit 4 MR Credit 5 MR Credit 6 IEQ Credit 3 IEQ Credit 3.2 IEQ Credit 4.6 IEQ Credit 8.1 IEQ Credit 9</p>
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ITEM CODIFICATION

ALPA1W-6006006R16



LAY-IN METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

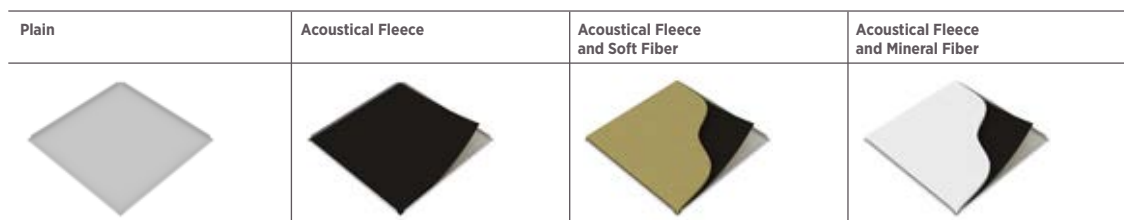
PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	αw	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%

SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*



* Additional backer options available for NRC and CAC enhanced total acoustical performance

CELEBRETTO

CLIP-IN METAL CEILING



VISIT USGME.COM TO ORDER SAMPLES



Refer to Colors, Finishes and Perforation Patterns Section

CLIP-IN CEILING SYSTEM DRAWINGS



FEATURES & BENEFITS

- Concealed ceiling design.
- Wide range of standard perforation patterns.
- Wide range of optional wooden patterns.
- Durable and washable polyester powder finish.
- Robust and easy to clean.
- High sound absorption and sound attenuation.
- Environmentally friendly and recyclable.

APPLICATIONS

- Interior and exterior applications
- Transportation & airports
- Educational
- Healthcare
- Commercial buildings
- Hi-Rise & offices
- Financial & banking
- Malls & residential
- Kitchen & dietary
- Laundry

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Sound Absorption	A1 Pattern** with Acoustic Fleece	0.70	0.95	0.75	0.75	0.80	0.80	0.75
	A1 Pattern** with Infill***	0.70	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

** A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%

*** Infill: Acoustic Fleece and 30mm Soft Fiber with Aluminium Foil

CLIP-IN METAL CEILING



GRID PROFILE OPTIONS

Spring T



SPECIFICATION DETAILS

Clip-in Metal Ceiling by USG ME meets the requirements in accordance with ASTM C635, ASTM C636, ASTM C423 and ASTM E84.

Material Classification
Galvanized Steel: Type V
Aluminium: Type VII
Stainless Steel: Type VI
Pattern: A, C, G

Panel Size
300 x 300mm, 300 x 1200mm,
300 x 1500mm, 600 x 600mm,
600 x 1200mm, 1200 x 1200mm

Panel Thickness
0.6 to 1.4mm

Panel Height
10mm, 20mm

Edge Detail Trim
Concealed [Beveled]

Light Reflectance Coefficient [LR]
Based on the finish color, Up to 0.82

Color
Standard colors are RAL 9016, RAL9006 and RAL9010.
Other RAL colors are available upon request.
Wooden patterns are available upon request

Surface Burning Characteristics per ASTM E 84
Class A

Infill Options

Plain
Acoustical Fleece
Acoustical Fleece and Glass Wool
Acoustical Fleece and Mineral Fiber
Washability / Scrubbability as per ASTM D4828 & D2486
Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Relevant LEED® Credit
EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

ITEM CODIFICATION

ACPA1-6006006R16



CLIP-IN METAL CEILING ACOUSTICAL PERFORMANCE

USG Middle East supplies Metal Ceiling panels with a range of acoustical performance to meet the needs of all kinds of projects. A variety of sound-absorbing backing options are available with performance up to 1.0 NRC. Consult with the USG Middle East technical team for further guidance.

PERFORATION	ACOUSTIC TREATMENT	SOUND ABSORPTION		SOUND ATTENUATION	
		NRC	α_w	CAC	Dnfw
Plain	-	-	-	-	-
A1 Pattern	Acoustic Fleece	0.75	0.80 (L)	-	-
B2 Pattern	Acoustic Fleece	0.60	0.60 (L)	-	-
A1 Pattern	Acoustic Fleece and 19mm SF Infill	0.90	0.90	-	23
A1 Pattern	Acoustic Fleece and 38mm SF Infill	-	0.95	-	-
A1 Pattern	Acoustic Fleece and 19mm MF with Aluminium Foil	-	0.55	31	-
A1 Pattern	Acoustic Fleece and 30mm SF with Aluminium Foil	1.0	1.0	34	33
A1 Pattern	Acoustic Fleece and 25mm SF attached to 12mm GT Infill	0.85	0.75 (MH)	30	31
A1 Pattern	Acoustic Fleece and 30mm SF attached to 19mm MF Infill	0.90	0.85 (H)	32	32

A1 Pattern: Diagonal Pattern. Hole Size Dia: 1.8mm, Open Area: 20%
B2 Pattern: Even Pattern. Hole Size Dia: 2.5mm, Open Area: 16%
SF: Soft Fiber, MF: Mineral Fiber, GT: Gypsum Tile

INFILL OPTIONS*

Plain	Acoustical Fleece	Acoustical Fleece and Soft Fiber	Acoustical Fleece and Mineral Fiber

* Additional backer options available for NRC and CAC enhanced total acoustical performance



COLORS,
FINISHES AND
PERFORATION
PATTERNS

COLORS, FINISHES AND PERFORATION PATTERNS

Three things that make USG Middle East the most sought-after partner for architects and contractors. Our professional building design partners benefit from a diverse product choice, world-class technology, field-tested performance, and hands-on technical support.

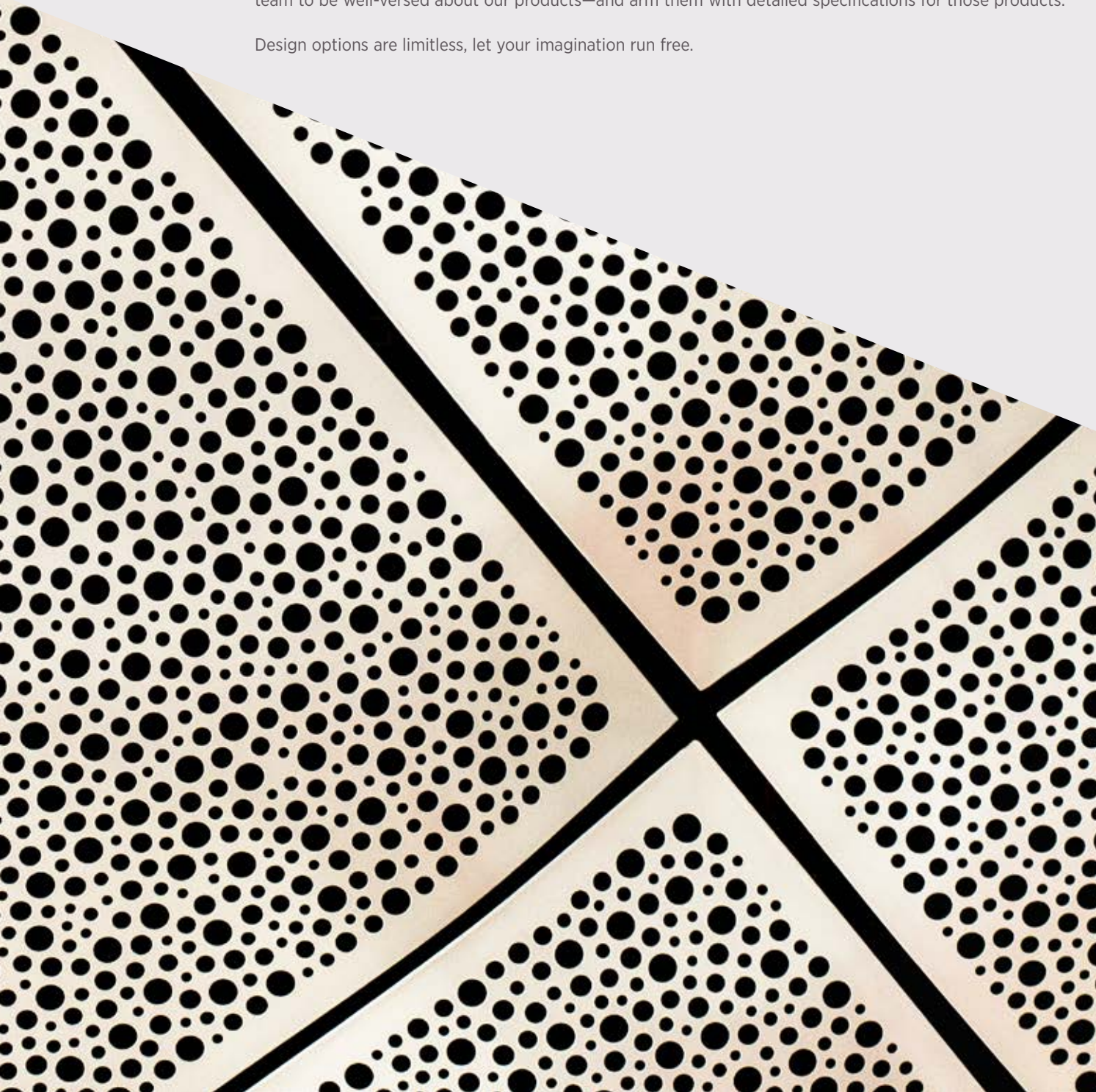
That's not all.

We are transparent. We know that the more open we can be about product specifications, the more loyalty and trust we can build with our partners.

We are proactive. We know that every building design faces a multitude of complex challenges. With our wide range of ceiling design options, architects and contractors see us as necessary partners for their projects from start to completion with our array of colors, finishes, and perforation patterns.

We are experts. We know that architects and contractors want to talk to our technical team who are deeply knowledgeable about our products' technical information. Therefore, we train our salesforce and technical team to be well-versed about our products—and arm them with detailed specifications for those products.

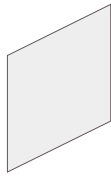
Design options are limitless, let your imagination run free.



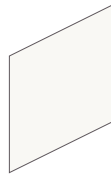
COLORS, FINISHES AND PERFORATION PATTERNS

STANDARD FINISHES

RAL COLORS



RAL 9016



RAL 9010



RAL 9006



RAL 9007



RAL 9005



CUSTOM
RAL COLOR*

ANTI BACTERIAL FINISH



Available for Standard RAL Colors only

WOODEN FINISHES



WF1



WF2



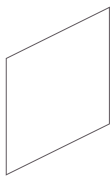
WF3



WF4

PREMIUM FINISHES*

POWDER COATING COLORS



PF01
Infinity White
JF 1301
1007240



PF02
Sphinx Beige
JF 1301
1006930



PF03
Titanium Silver
JF1301
1006967



PF04
Grey
JF 1303
1203676PX20



PF05
Concord Grey
JF 1301
1006975



PF06
Champagne
JF 1301
100637



PF07
Grey
JF 1303
1203676PX20



PF08
RAL 9006
JF 1308
1006824PX20



PF09
Grey (Bonded)
JF 1303
1210769PX20



PF10
Beige Grit
JF 5401
1214921PX20



PF11
RAL 9007
JF 1301
1008530PX20



PF12
RAL 9022
JF 308
1006822PX20



PF13
RAL 9007
JF 1308
1006843PX20



PF14
Aztec Grey
JF 1301
1007042



PF15
Atlantis Grey
JF 1301
1006969



PF16
RAL 1035
JF 1307
1224450PX20

* Available upon request. Check with our technical team for lead time delivery.

COLORS, FINISHES AND PERFORATION PATTERNS



PF17
RAL 7048
JF 1308
1006842PX20



PF18
Grey (Bonded)
JF 1301
1214429PX20



PF19
RAL 9023
JF 1308
1006887PX20



PF20
Grey (Bonded)
JF 1303
120875PX20



PF21
Grey
JF 1301
1206593



PF22
Grey
JF 1301
1214211PX20



PF23
Black Grit
JF 5401
1214184PX20



PF24
Grey (Bonded)
JF 1303
1213891PX20



PF25
Black Sparkle Metallac (Bonded)
JF 1308
1027743PX20



PF26
Gold (Bonded)
JF 1303
1210630PX20



PF27
RAL 1036
JF 1303
1038505PX20



PF28
Beige
JF 1301
1028675PX20



PF29
RAL 1036
JF 1303
1206253



PF30
Lumina
JF 1303
1038511PX20



PF31
Heritage
JF 1301
1007025



PF32
Brown
JF 1303
1038511PX20



PF33
Sunlit
JF 1303
1038508PX20



PF34
Lustre
JF 1303
1038516PX20



PF35
Allure
JF 1303
1038505PX20



PF36
Bronze (Bonded)
JF 303
1218005PX20



PF37
Mirage
JF 1303
1038503PX20



PF38
Scarlet Red
JF 1301
1007100



PF39
Deep Red
JF 1301
1021503



PF40
RAL 2013
JF 1308
1006988PX20



PF41
RAL 2013
JF 1308
1006988PX20



PF42
RAL 3032
JF 1308
10071307PX20



PF43
Firestone
JF 1301
1006970



PF44
Dark Brown
JF 1301
1028679PX20



PF45
Dark Brown
JF 1308
1215970PX20



PF46
Ral 8029
JF 1308
1215970PX20



PF47
Azure Blue
JF 1301
1007011



PF48
Coral Green
JF 1301
1006942



PF49
RAL 4012
JF 1308
1207619PX20



PF50
RAL 5025
JF 1308
1007121PX20



PF51
Aqua Blue
JF 1301
1007102



PF52
Lagoon Blue
JF 1301
1007263



PF53
Diamond Blue
JF 1301
1006865



PF54
RAL 5026
JF 1308
1007008PX20



PF55
Jade Green
JF 1301
1006932



PF56
RAL 6035
JF 1307
1007306PX20



PF57
RAL 6036
JF 1308
1007394PX20



PF58
RAL 8014
JF 1301
1212647



PF59
Hypnotic
JF 1303
1038515PX20



PF60
Ebony Black
JF 1301
1006929

COLORS, FINISHES AND PERFORATION PATTERNS

WOODEN FINISHES



WFP01
BEECH 1



WFP02
BEECH 2



WFP03
PINE



WFP04
OAK



WFP05
CHERRY 1



WFP06
CHERRY 2



WFP07
WALNUT



WFP08
ROSE WOOD

ANODIZED FINISHES



AZ01
G4 DARK GOLD



AZ02
G3 LIGHT GOLD



AZ03
E6 SILVER NATURAL



AZ04
3145 CHAMPAGNE BRONZE



AZ05
3165 LIGHT BRONZE



AZ06
3175 MEDIUM BRONZE



AZ07
3178 DARK BRONZE



AZ08
3178 DARK BRONZE

* Available upon request. Check with our technical team for lead time delivery.

COLORS, FINISHES AND PERFORATION PATTERNS

304 GRADE STAINLESS STEEL FINISHES



SS1
BRUSH HAIRLINE



SS2
MIRROR

ALUMINIUM MIRROR FINISHES



MR1

ULTRA DURABLE FOR EXTERIOR APPLICATION



UDI

POLYVINYLIDENE FLUORIDE (PVDF) COATING

PVDF is a custom formulated system that provides extra durability, excellent weatherability, and high formability for exterior applications.

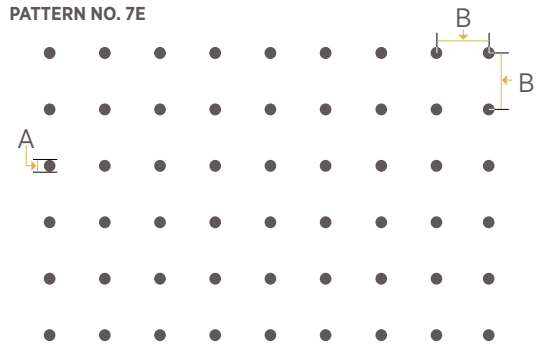
Available in RAL standard colors. Other colors may be available upon request.

LIGHT REFLECTANCE

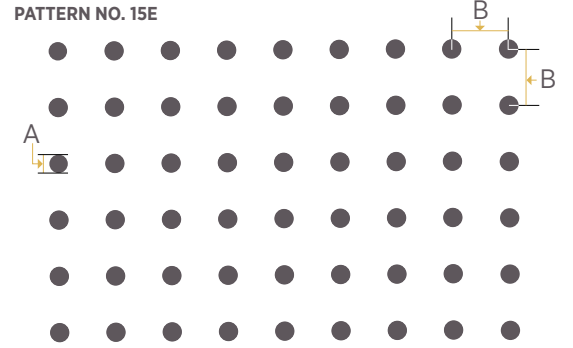
Metal Tile Description	RAL 9006	RAL 9016	RAL 9010	RAL 7047
	LR	LR	LR	LR
Plain Metal Ceiling	32%	74%	82%	56%
Perforated Metal Ceiling, 1.8mm diameter hole, Diagonal Perforation (20%)	27%	59%	64%	45%

LR results as per ASTM E1477

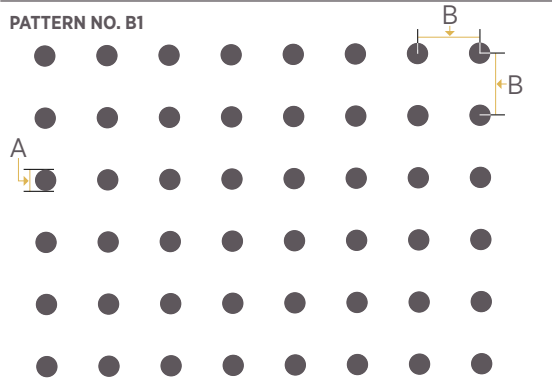
STANDARD PERFORATION PATTERNS



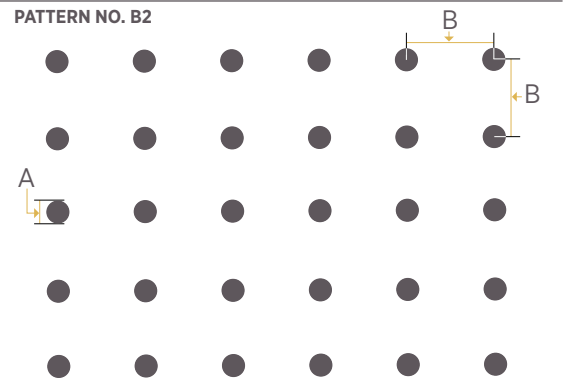
Even Pattern. **Hole Size Dia (A): 0.75mm, Pitch (B): 5mm, Open Area: 1%**



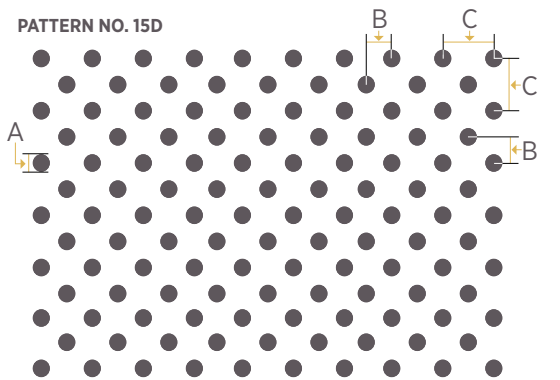
Even Pattern. **Hole Size Dia (A): 1.5mm, Pitch (B): 4mm, Open Area: 11%**



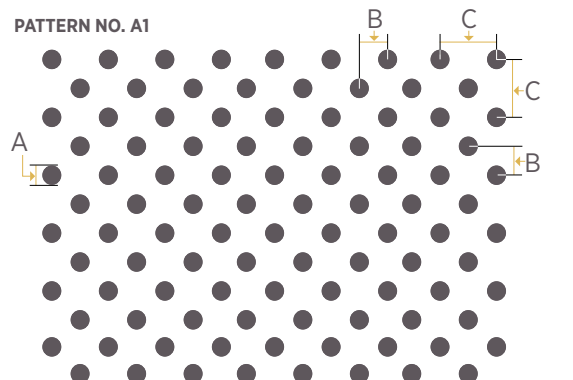
Even Pattern. **Hole Size Dia (A): 1.8mm, Pitch (B): 5mm, Open Area: 10%**



Even Pattern. **Hole Size Dia (A): 2.5mm, Pitch (B): 5.5mm, Open Area: 16%**



Diagonal Pattern. **Hole Size Dia (A): 1.5mm, Pitch(B): 2mm Pitch(C): 4mm, Open Area: 22%**



Diagonal Pattern. **Hole Size Dia (A): 1.8mm, Pitch (B): 2.5mm Pitch (C): 5mm, Open Area: 20%**

PREMIUM PERFORATION PATTERNS

PATTERN NO. 50D

Diagonal Pattern. **Hole Size Dia (A):** 5mm, **Pitch (B):** 5mm, **Pitch (C):** 10mm, **Pitch (D):** 7.5mm, **Open Area:** 32%

PATTERN NO. BR30R

Braille Pattern. **Hole Size Dia (A):** 30mm, **Open Area:** 36%

PATTERN NO. BR321630

Braille Pattern. **Hole Size Dia (A):** 32mm, **(B):** 16mm, **Pitch (C):** 40mm, **Open Area:** 30%

PATTERN NO. HX5D

Hexagon Diagonal Pattern. **Hole Size (A):** 5mm, **Pitch (B):** 4mm, **Pitch (C):** 8mm, **Open Area:** 29%

PATTERN NO. SQ4E

Straight Line Pattern. **Hole Size (A):** 4mm, **Pitch (B):** 9mm, **Open Area:** 20%

PATTERN NO. TR10

Triangular Pattern. **Triangle Size (A):** 10mm, **Pitch (B):** 9.16mm, **Pitch (C):** 18.32mm, **(D):** 4.8mm, **Open Area:** 30%

PATTERN NO. OB2014

Oblong Pattern. **Hole Size (A):** 2mm, **(B):** 14mm, **Pitch (C):** 22mm, **Pitch (D):** 7mm, **Open Area:** 17%

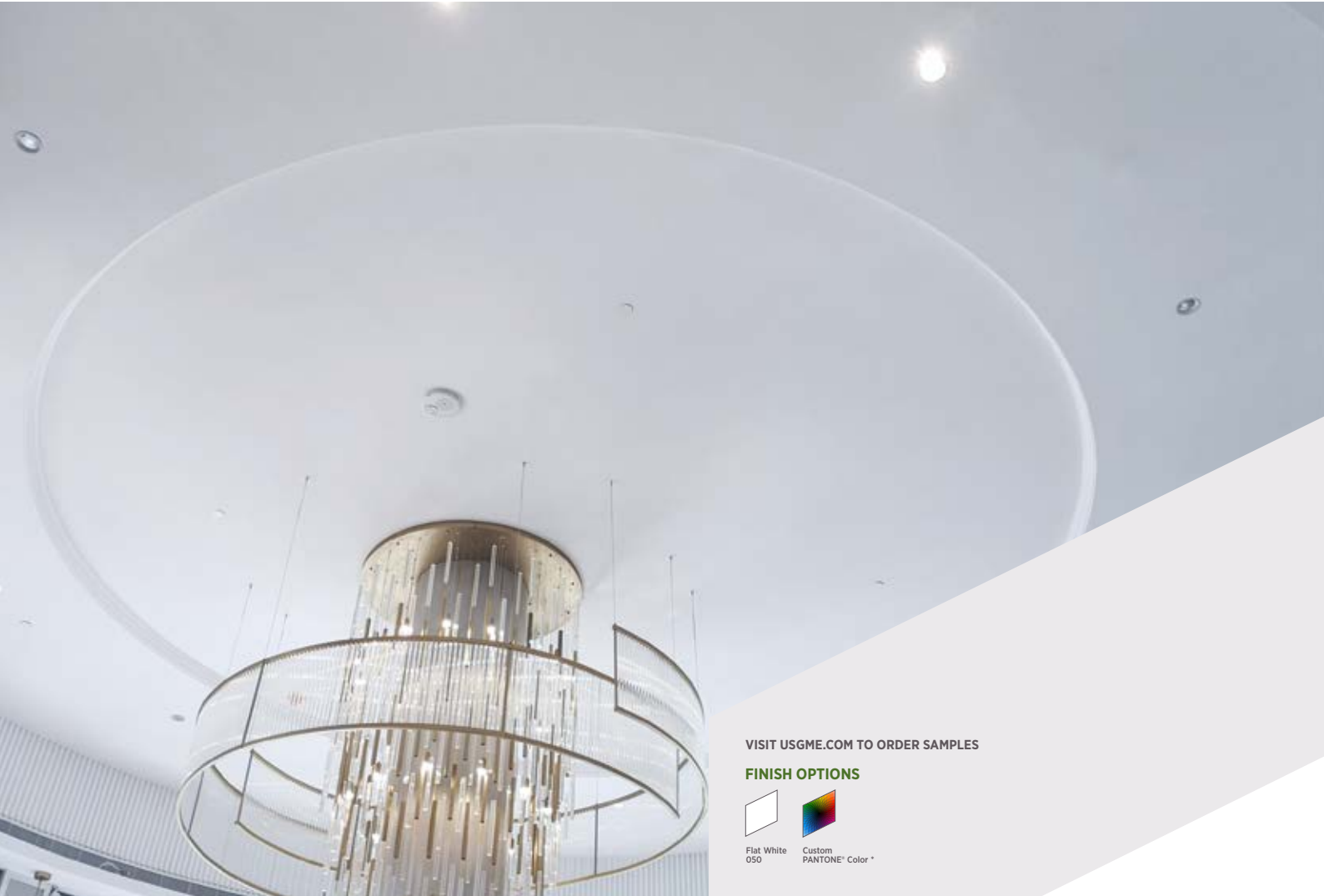
CUSTOM PERFORATION PATTERNS ARE AVAILABLE UPON REQUEST





ACOUSTICAL DRYWALL CEILING

ENSEMBLE™



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



Flat White
050



Custom
PANTONE® Color *

**Check with our technical team
for lead time delivery*

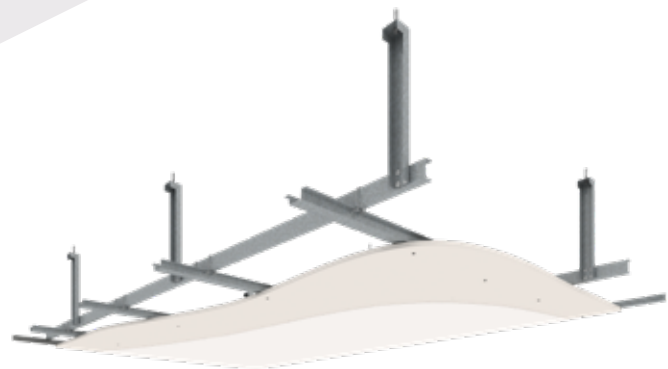
FEATURES & BENEFITS

- Seamless plasterboard look with fine texture and true acoustical performance of up to 0.9 NRC.
- Special acoustical perforated USG Ensemble™ panels to optimize sound performance.
- Class 1 surface burning as per BS 476, Part 7.
- Fire propagation index, I = 5.0 as per BS 476, Part 6.
- VOC <0.1 mg/m²/hr as per ASTM D5116.
- High light-reflective finish (LR-0.85 for white finish) reduces fixture & energy use.
- Acoustically transparent spray-applied finish.

APPLICATIONS

- Hotels
- Luxurious spaces
- Lobby areas
- Executive or boardrooms
- Conference rooms

ENSEMBLE™ DRAWING





ENSEMBLE™



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRE CODE

DESCRIPTION

USG Ensemble™ Acoustical Plasterboard Ceiling offers a seamless plasterboard look with true acoustical performance of up to 0.9 NRC. Installation is similar to standard plasterboard and plasterboard suspension systems.

USG Ensemble™ Ceiling Panels are highly engineered, made of gypsum, and perform like acoustical ceiling panels. The Ensemble™ board perforation pattern has 12mm round holes with 20% open area.

SYSTEM SUMMARY

	USG Ensemble™	
Framing	USG Middle East Suspension System	
Application	Hotels, luxurious spaces, lobby areas, executive or boardrooms, conference rooms	
Performance	Mass	≈ 6.7kg/m ²
	Acoustic rating*	Up to NRC 0.9
	Light reflectance	0.85 for white finish
	Fire Hazard properties	Fire propagation index, I = 5.0 (BS 476 Part 6)
		Surface spread of flame = Class 1 (BS 476 Part 7)
Finish	Standard white or black. Other RAL colors are available upon request. Seamless and spray-applied fine texture with low VOC-emitting material	
Specification	Board Size	1200x2400x12.5mm
	Framing	USG ME Suspension System
	Insulation	Glass Wool 90mm-thick 14kg/m ³ or
		Stone Wool 50mm-thick 40kg/m ³
	Fastener	25mm Type "S" Needle Point Screws
	Joint Tape	USG Sheetrock® Brand Paper Joint Tape
	Joint Compound	1st and 2nd Coat : Sheetrock® All Purpose Joint Compound or USG Premium Premix
3rd Coat : Sheetrock® Lightweight All-Purpose Joint Compound		
Final Finish	USG Ensemble™ Spray-Applied Finish	
Acoustic Performance**	0.9 NRC	Insulation: Stone Wool 50mm thick, 40 kg/m ³ 100mm Suspension mounting from plenum
	0.9 NRC	Insulation: Glass Wool 90mm thick, 14kg/m ³ 100mm Suspension mounting from plenum
	0.7 NRC	No Insulation, 200mm Suspension mounting from plenum
	0.6 NRC	No Insulation, 400mm Suspension mounting from plenum
Warranty	To ensure that the performance of this system meets USG ME's Warranty requirements, USG ME products are to be used and installed only in accordance with our specifications and recommendations.	

* NRC values for panels with factory applied acoustical backer

** Additional acoustical backer options available for enhanced total acoustics NRC and CAC performance

LINING

USG Ensemble™ Ceiling Panels 12.5mm-thick, 1200mm-wide, and 2400mm in length, with tapered edges as supplied by USG. Identified by a translucent veil on the front facer and a translucent veil on the back facer, as well as an R12-1 pattern with 20% open area.

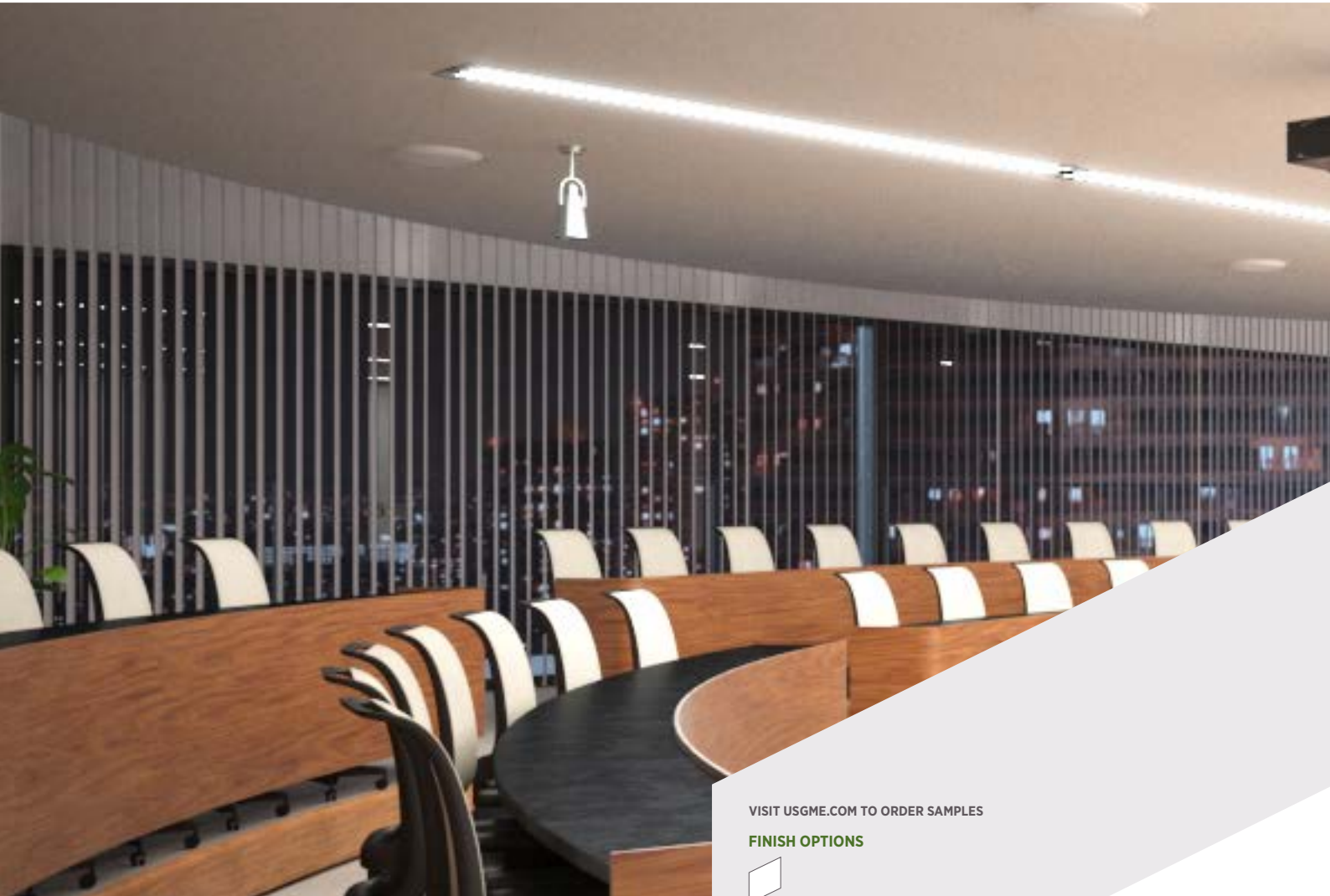


SYSTEM COMPONENTS

- USG Ensemble™ Ceiling Panels
- USG Ensemble™ Spray-Applied Finish
- 50mm-thick 40kg/m³ Stone Wool or 90mm-thick 14kg/m³ Glass Wool
- USG Middle East drywall ceiling suspension system
- USG Middle East jointing and tape solution



MONOSILENT



FEATURES & BENEFITS

- Seamless plasterboard look with acoustic performance of up to 0.95 NRC and 43 CAC.
- Class A fire rating.
- Class 1 surface burning as per BS 476, Part 7.
- High light-reflective finish (LR-0.85 for white finish) reduces fixture & energy use.
- Acoustically transparent spray-applied finish.
- Ideal for renovation when low room reverberation time is desired.

APPLICATIONS

- Lobbies
- Commercial offices
- Atriums
- Museums
- Executive/board rooms
- Conference rooms
- Corridors

VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



Flat White
050

MONOSILENT DRAWING





MONOSILENT



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE

DESCRIPTION

USG Middle East's Acoustical System Monolithic Acoustical Ceiling System is a lightweight, non-combustible, high acoustic, seamless ceiling system consisting of 12.5mm thick screws fixed to frame system with a Spray Applied Paint Finish.

SYSTEM SUMMARY

Monosilent																					
Application	Lobbies, Commercial offices, Atriums, Museums, Executive/Board Rooms, Conference Rooms, Corridors																				
Mass	12 kg/m ²																				
Acoustic Performance	NRC 0.95 and CAC 43 for 50mm system																				
Insulation	Stone wool or fiber glass 25mm or 38mm thick 100 kg/m ³ with fiber glass mesh on edges																				
Light Reflectance	0.85 for white finish																				
Fire Rated	Class A																				
Finish	White, seamless, spray-applied fine texture with low VOC-emitting material																				
Specification	<table border="0"> <tr> <td>Framing</td> <td>USG Middle East Primary Channel</td> </tr> <tr> <td></td> <td>USG Middle East Furring Channel</td> </tr> <tr> <td></td> <td>USG Middle East Connecting clip</td> </tr> <tr> <td></td> <td>USG Middle East Primary C Bracket</td> </tr> <tr> <td></td> <td>USG Middle East Suspension Rod</td> </tr> <tr> <td>Lining</td> <td>USG Middle East Standard Board Panels 12.5mm thick</td> </tr> <tr> <td>Insulation</td> <td>Stone wool or fiber glass 25mm or 38mm thick 100 kg/m³ with fiber glass mesh on edges</td> </tr> <tr> <td>Joint Tape</td> <td>Fiber glass mesh tape 50mm width</td> </tr> <tr> <td>Joint Compound</td> <td>EASYJOINT™ 60 Setting-Type Premium-Jointing Powder</td> </tr> <tr> <td>Final Finish</td> <td>USG Monosilent Spray-Applied Finish</td> </tr> </table>	Framing	USG Middle East Primary Channel		USG Middle East Furring Channel		USG Middle East Connecting clip		USG Middle East Primary C Bracket		USG Middle East Suspension Rod	Lining	USG Middle East Standard Board Panels 12.5mm thick	Insulation	Stone wool or fiber glass 25mm or 38mm thick 100 kg/m ³ with fiber glass mesh on edges	Joint Tape	Fiber glass mesh tape 50mm width	Joint Compound	EASYJOINT™ 60 Setting-Type Premium-Jointing Powder	Final Finish	USG Monosilent Spray-Applied Finish
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Warranty	To ensure the performance of this system meets USG ME's Warranty requirements, USG ME products are to be used and installed only in accordance with our specifications and recommendations.																				

LINING

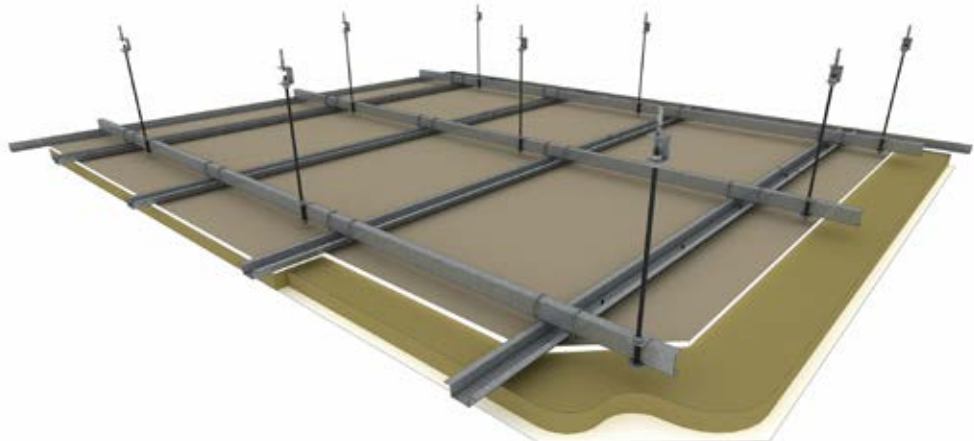
USG Middle East Plasterboard 12.5mm thickness, 1200mm width and 2400mm length, with soft panel recessed edges as supplied by USG Middle East.



50 mm (NRC 0.95)



38 mm (NRC 0.75)





SKYROCK ECOBLOCK - R6

ROUND PERFORATION



VISIT USGME.COM TO ORDER SAMPLES

PATTERN



WITH BORDER
OPEN AREA 10%



BORDERLESS
OPEN AREA 11.1%



FEATURES & BENEFITS

Great Aesthetics, Excellent Noise Absorption

- Tested to achieve up to 0.85 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.
- Available in borderless perforation pattern for seamless appearance to enhance the ceiling aesthetic.
- Available in various customized perforation configurations.

APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

ROUND PERFORATION R6,10%

ROUND PERFORATION R6,11.1% BORDERLESS

SKYROCK ECOBLOCK - R6

ROUND PERFORATION



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS

DESCRIPTION

Skyrock Ecoblock Round Perforation R6 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back. These Acoustical Gypsum Boards are ideal for various sound absorption applications with an enhanced aesthetical look.

FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and gypsum board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

ADVANTAGES

Performance: Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.
Acoustic Performance: Superior NRC Capabilities up-to 0.85.
Easy to Install: Scores and snaps easily. Similar installation to conventional Plasterboard.

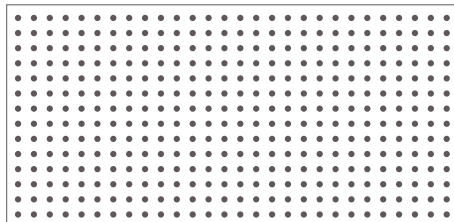
COMPLIANCE

- Skyrock Ecoblock Round Perforation R6
- ASTM C423 for Noise Reduction Coefficient
 - E84 for classification for fire propagation and surface flame spread

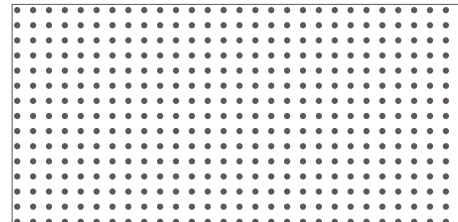
PRODUCT DATA

Property	R6, 10% ¹	R6, 11.1% Borderless ²
Weight (kg/m ²)	6.75 kg/m ²	6.65 kg/m ²
Density	600 kg/m ³	600 kg/m ³
Thickness	12.5 mm	12.5 mm
Actual Board Length	2384 mm	2365 mm
Actual Board Width	1200 mm	1069 mm
Hole Type	Round	Round
Hole Diameter	6 mm	6 mm
Border	45 mm	Borderless
Pitch (center to center spacing between holes)	16 mm	16 mm
Layout	One Group 70 X 144 Holes	One Group 67 X 148 Holes
Perforation Rate (%)	10%	11.1%
Noise Reduction Coefficient (NRC)	0.7	0.7
Noise Reduction Coefficient (NRC*) with Insulation	0.85	0.85

*Insulation (Optional) 24kg/m³, 75mm glass wool as backer panel for higher acoustic values



1 1200mm x 2384mm
Gypsum Board R6, 10%
70 X 144 Holes



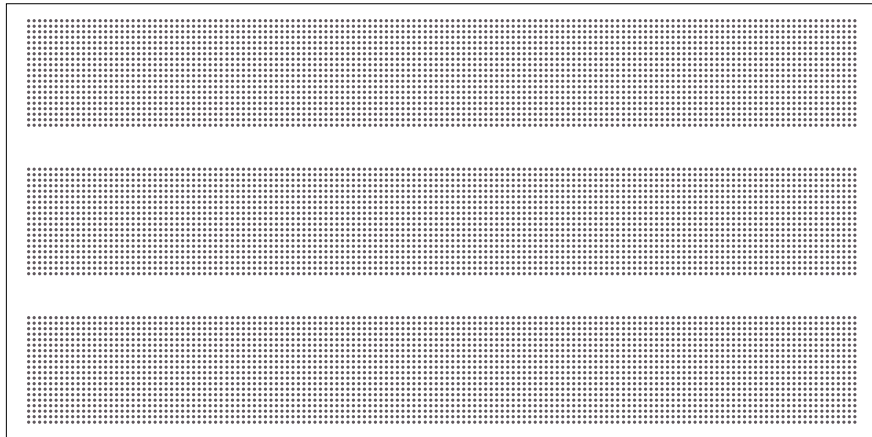
2 Borderless 1069mm x 2365mm
Gypsum Board R6, 11.1%
67 X 148 Holes

Refer to Skyrock Ecoblock R6 additional layout designs for more board perforation options

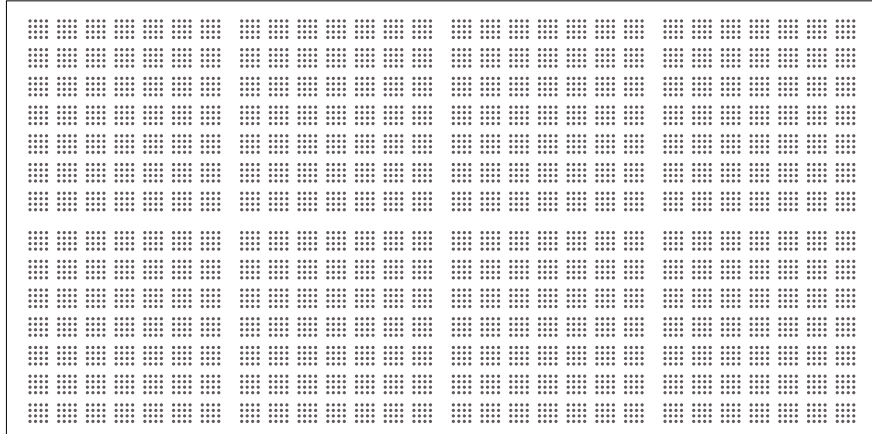
SKYROCK ECOBLOCK R6 LAYOUT DESIGNS

GLOBE-8
LAYOUT DESIGNS

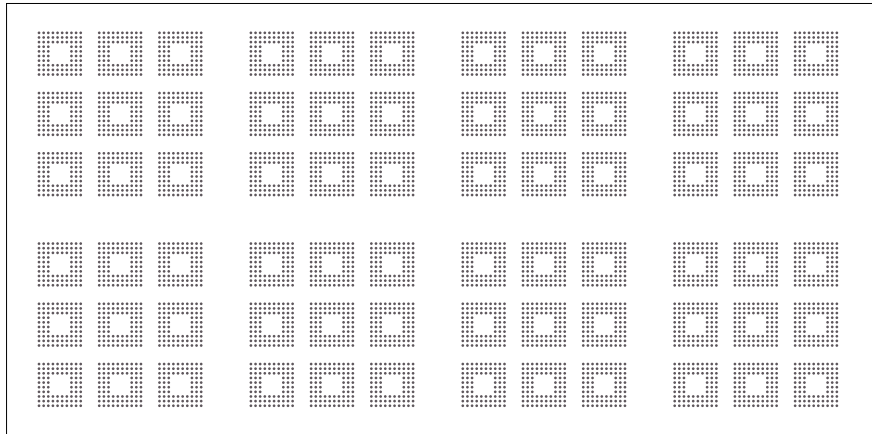
PATTERN G-1



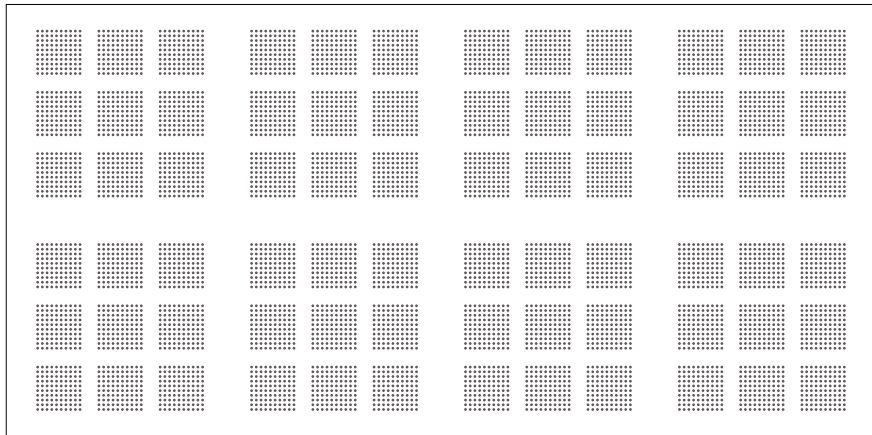
PATTERN G8-2



PATTERN G8-3

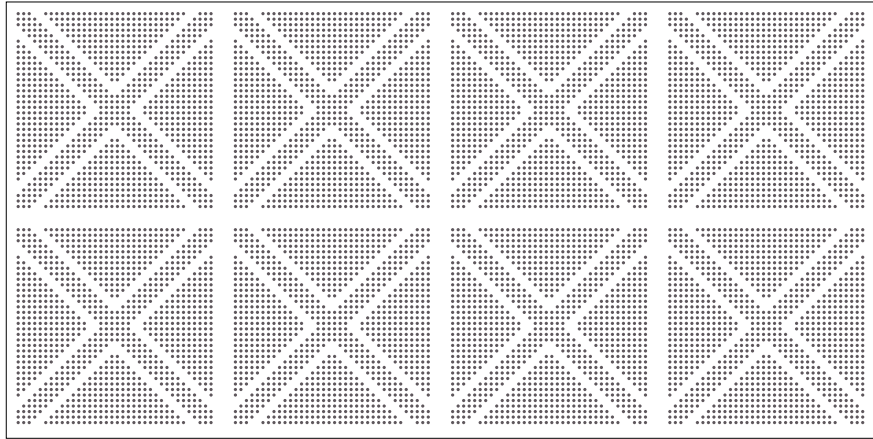


PATTERN G8-4

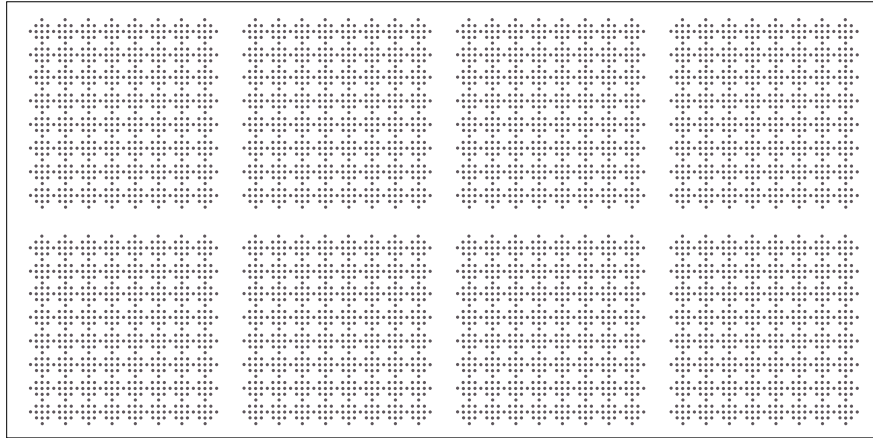


SKYROCK ECOBLOCK R6 LAYOUT DESIGNS

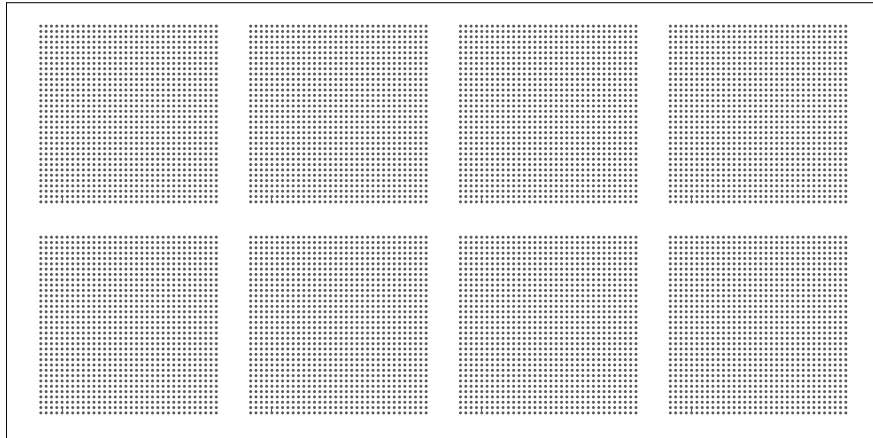
PATTERN G8-5



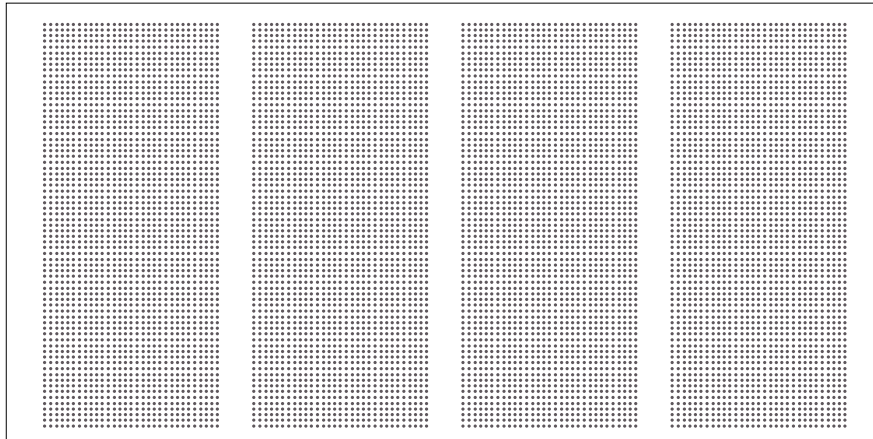
PATTERN G8-6



PATTERN G8-7



PATTERN G8-8



SKYROCK ECOBLOCK - R12

ROUND PERFORATION



VISIT USGME.COM TO ORDER SAMPLES

PATTERN



WITH BORDER
OPEN AREA 16.4%



BORDERLESS
OPEN AREA 18.1%



FEATURES & BENEFITS

Great Aesthetics, Excellent Noise Absorption

- Tested to achieve up to 0.95 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms
- Restaurants

ROUND PERFORATION R12, 16.4%

ROUND PERFORATION R12, 18.1% BORDERLESS

SKYROCK ECOBLOCK - R12

ROUND PERFORATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

DESCRIPTION

Skyrock Ecoblock Round Perforation R12 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

ADVANTAGES

Performance: Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.
Acoustic Performance: Superior NRC Capabilities up-to 0.95.
Easy to Install: Scores and snaps easily. Similar installation to conventional Plasterboard.

COMPLIANCE

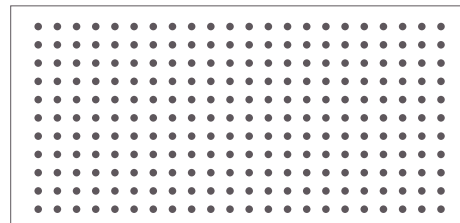
- Skyrock Ecoblock Round Perforation R12
- ASTM C423 for Noise Reduction Coefficient
 - E84 for classification for fire propagation and surface flame spread

PRODUCT DATA

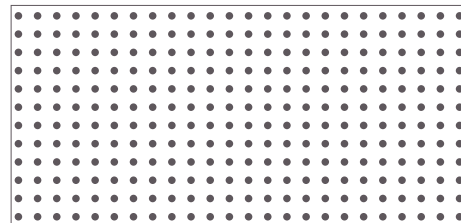
Property	R12,16.4% ¹	R12,18.1% ²
Weight (kg/m ²)	6.27 kg/m ²	6.15 kg/m ²
Density	600 kg/m ³	600 kg/m ³
Thickness	12.5 mm	12.5 mm
Actual Board Length	2400 mm	2400 mm
Actual Board Width	1200 mm	1200 mm
Hole Type	Round	Round
Hole Diameter	12 mm	12 mm
Border	70 mm	Borderless
Pitch (center to center spacing between holes)	25 mm	25 mm
Layout	One Group 46 x 91 Holes	One Group 48 x 96 Holes
Perforation Rate (%)	16.4%	18.1%
Noise Reduction Coefficient (NRC)	0.70	0.70
Noise Reduction Coefficient (NRC*) with Insulation	up to 0.95	up to 0.95

¹Insulation (Optional) 24kg/m³, 75mm glass wool as backer panel for higher acoustic values

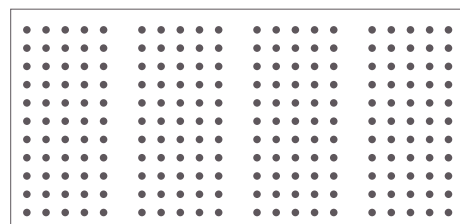
R12 LAYOUT DESIGNS



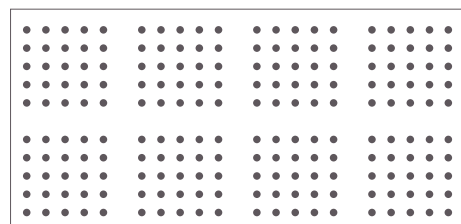
1 1200mm x 2400mm
Gypsum Board R12,16.4%
46 x 91 Holes



2 Borderless 1200mm x 2400mm
Gypsum Board R12,18.1%
48 x 96 Holes



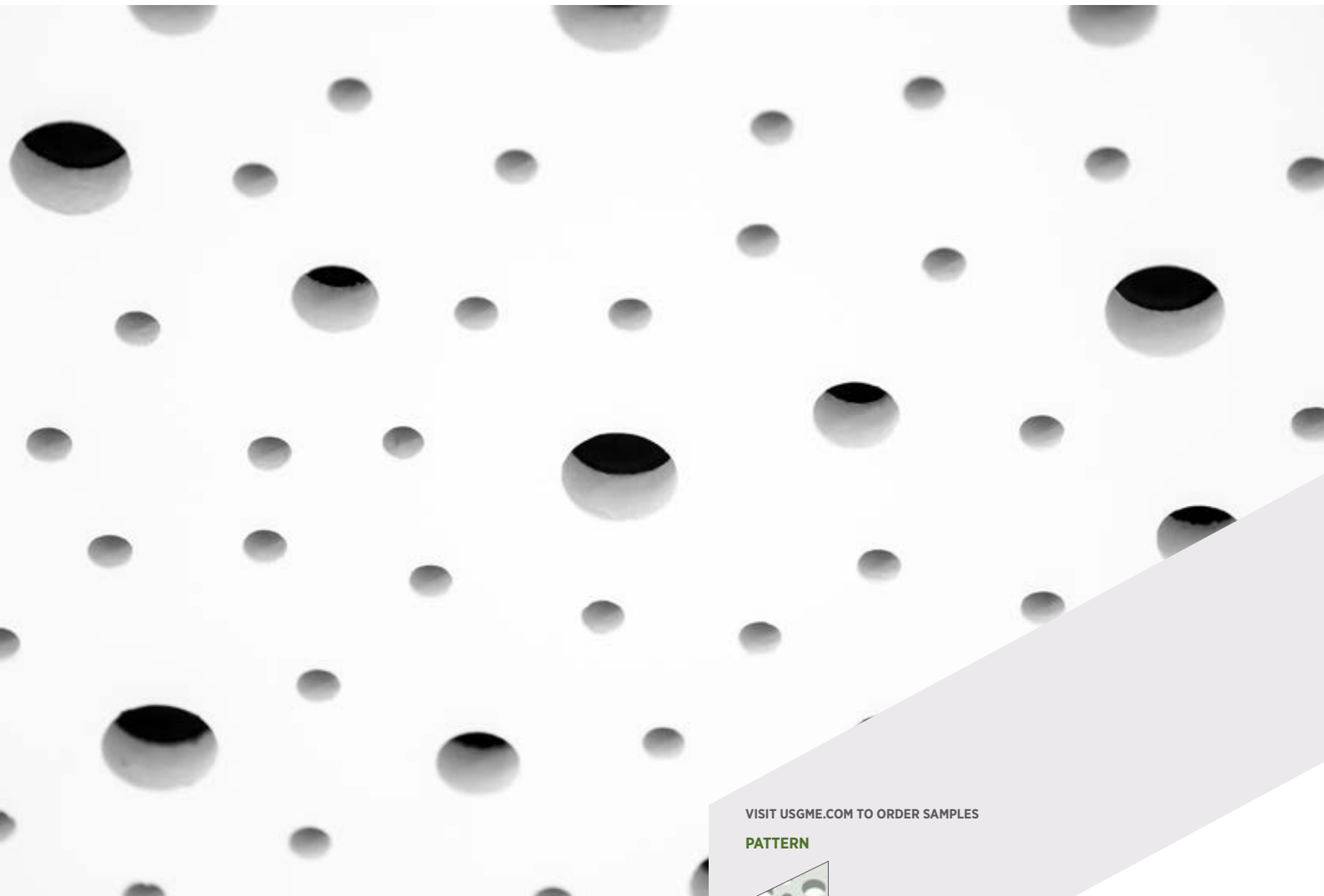
3 Strip design



4 Globe 8 design

SKYROCK ECOBLOCK - R8-15-20

RANDOM PERFORATION



FEATURES & BENEFITS

Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.75 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms
- Restaurants

VISIT USGME.COM TO ORDER SAMPLES

PATTERN



OPEN AREA 17%



RANDOM PERFORATION R8-15-20, 17%

SKYROCK ECOBLOCK - R8-15-20

RANDOM PERFORATION



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS

DESCRIPTION

Skyrock Ecoblock Random Perforation R8-15-20 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back. These Acoustical Gypsum Boards are ideal for various sound absorption applications with an enhanced aesthetical look.

FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and gypsum board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

ADVANTAGES

Performance: Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.
Acoustic Performance: Superior NRC capabilities up-to 0.75.
Easy to Install: Scores and snaps easily. Similar installation to conventional plasterboard.

COMPLIANCE

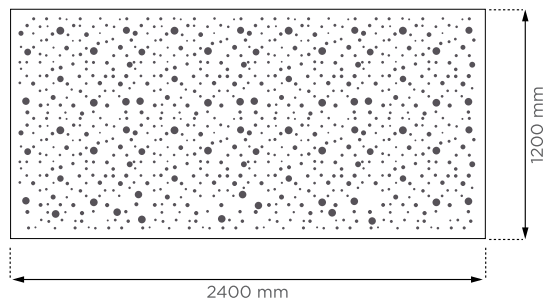
Skyrock Ecoblock Random Perforation R8-15-20, 17% comply with:

- ASTM C423 for Noise Reduction Coefficient
- E84 for classification for fire propagation and surface flame spread

PRODUCT DATA

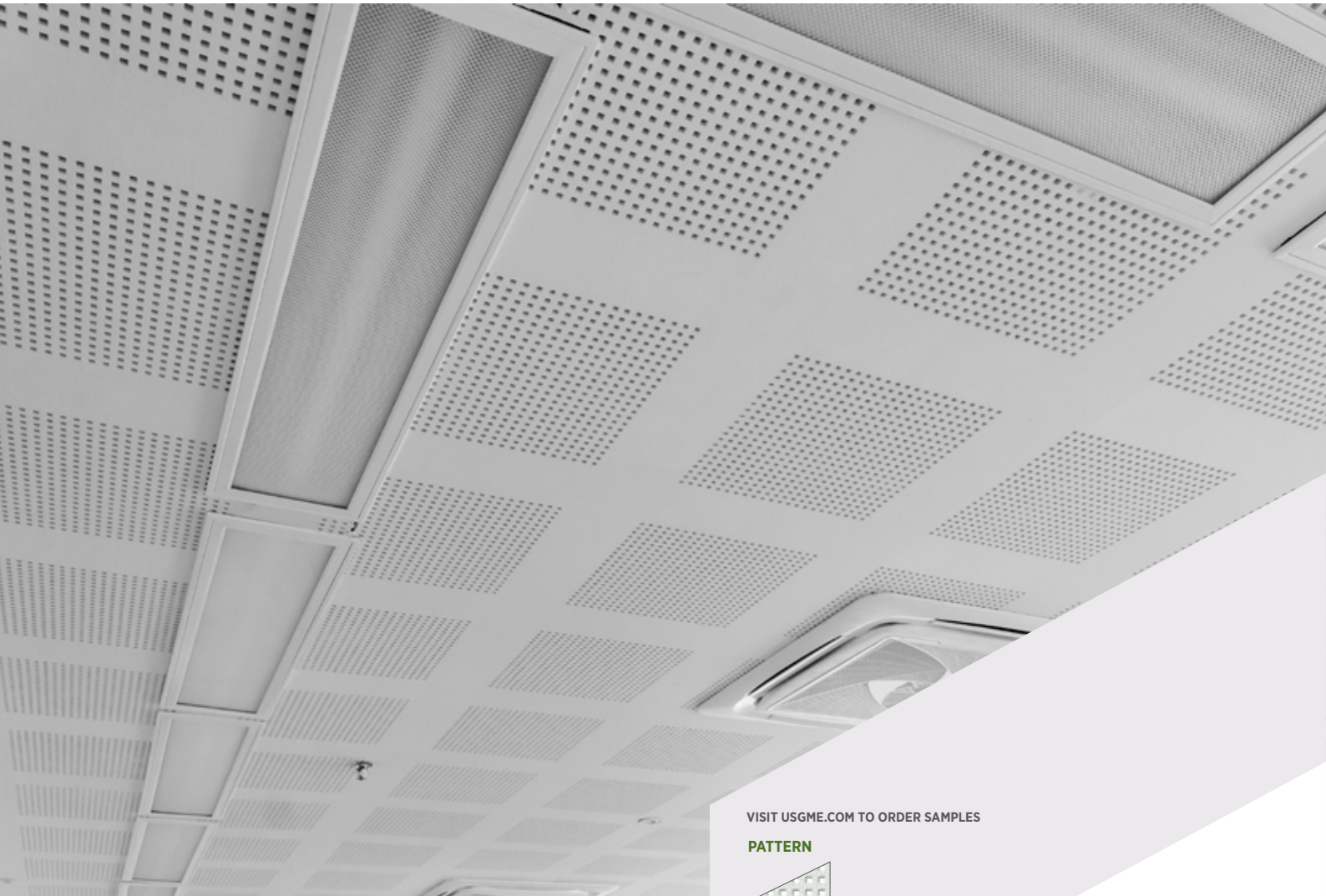
Property	R8-15-20, 17%
Weight (kg/m ²)	6.76 kg/m ²
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Round
Hole Diameter (mm)	8, 15, 20
Layout Drawing	As per the below drawing
Perforation Rate (%)	17% with black acoustic tissue at the back
Noise Reduction Coefficient (NRC*)	0.75
Mounting	E-400

*Insulation (Optional) 24kg/m³, 75mm glass wool as backer panel for higher acoustic values



SKYROCK ECOBLOCK - Q3

SQUARE PERFORATION



VISIT USGME.COM TO ORDER SAMPLES

PATTERN



OPEN AREA 11.1%

FEATURES & BENEFITS

Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.75 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms



SQUARE PERFORATION Q3, 11.1%

SKYROCK ECOBLOCK - Q3

SQUARE PERFORATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

DESCRIPTION

Skyrock Ecoblock Square Perforation Q3 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

ADVANTAGES

Performance: Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.
Acoustic Performance: Superior NRC capabilities up-to 0.75.
Easy to Install: Scores and snaps easily. Similar installation to conventional plasterboard.

COMPLIANCE

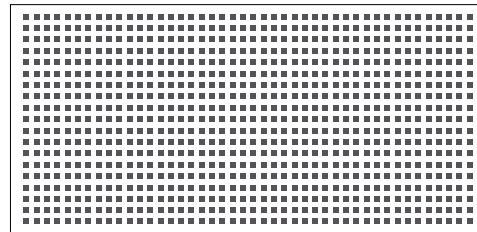
- Skyrock Ecoblock Square Perforation Q3, 11.1%
- ASTM C423 for Noise Reduction Coefficient
 - E84 for classification for fire propagation and surface flame spread

PRODUCT DATA

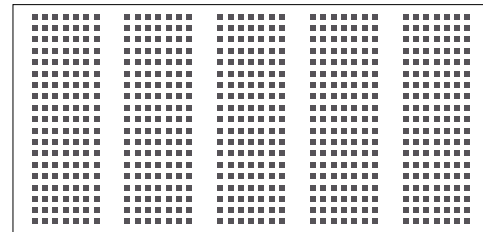
Property	Q3, 11.1%
Weight (kg/m ²)	6.67 kg/m ²
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Square
Hole Size (mm)	3 x 3
Border (mm)	24.87
Pitch (center to center spacing between holes){mm}	8.33
Halls layout (L x W)	283 x 139
Layout Drawing	As per the below drawing
Perforation Rate (%)	11.1%
Noise Reduction Coefficient (NRC*)	0.75
Mounting	E-400

*Insulation (Optional) 24kg/m³, 75mm glass wool as backer panel for higher acoustic values

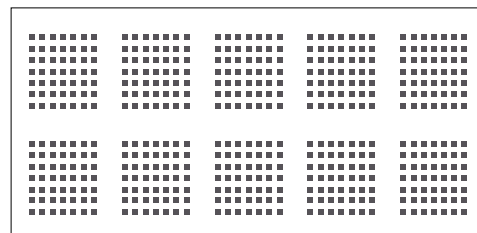
Q3 LAYOUT DESIGNS



1 Fully perforated



2 Strip design



3 Globe 8 design

SKYROCK ECOBLOCK - Q9

SQUARE PERFORATION



FEATURES & BENEFITS

Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.70 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

VISIT USGME.COM TO ORDER SAMPLES

PATTERN



OPEN AREA 22.6%



SQUARE PERFORATION Q9, 22.6%

SKYROCK ECOBLOCK - Q9

SQUARE PERFORATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

DESCRIPTION

Skyrock Ecoblock Square Perforation Q9 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

ADVANTAGES

Performance: Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.
Acoustic Performance: Superior NRC capabilities up-to 0.70.
Easy to Install: Scores and snaps easily. Similar installation to conventional plasterboard.

COMPLIANCE

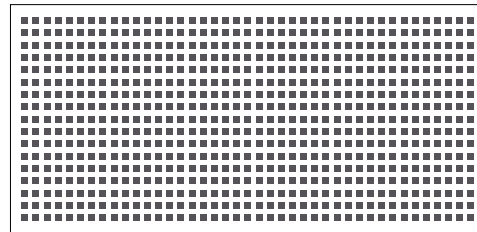
- Skyrock Ecoblock Square Perforation Q9, 22.6%
- ASTM C423 for Noise Reduction Coefficient
 - E84 for classification for fire propagation and surface flame spread

PRODUCT DATA

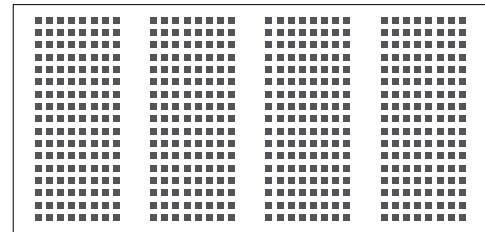
Property	Q9, 22.6%
Weight (kg/m ²)	5.8 kg/m ²
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Square
Hole Size (mm)	9 x 9
Border (mm)	20
Pitch (center to center spacing between holes){mm}	21
Halls layout (L x W)	114 x 57
Layout Drawing	As per the below drawing
Perforation Rate (%)	22.6%
Noise Reduction Coefficient (NRC*)	0.70
Mounting	E-400

*Insulation (Optional) 24kg/m³, 75mm glass wool as backer panel for higher acoustic values

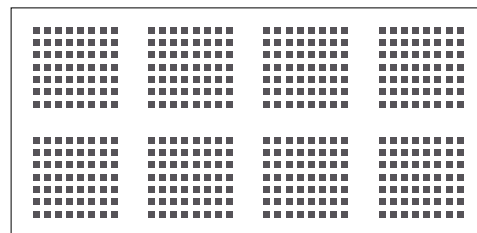
Q9 LAYOUT DESIGNS



1 Fully perforated



2 Strip design



3 Globe 8 design

SKYROCK ECOBLOCK - Q12

SQUARE PERFORATION



FEATURES & BENEFITS

Great Aesthetics, Excellent Noise Absorption

- Tested to achieve 0.70 NRC (Noise Reduction Coefficient) as per ASTM C423.
- Recessed edges allow for finishing to a flat and seamless ceiling or wall.
- Complies with E84 for flame spread and smoke development.

APPLICATIONS

- Commercial, office and residential applications
- Retail complexes
- Large scale cinema spaces
- Public venues such as concert halls, auditoriums and sporting venues, schools, universities and lecture halls
- Schools, universities and lecture halls
- Hotel lobbies and conference rooms

VISIT USGME.COM TO ORDER SAMPLES

PATTERN



OPEN AREA 16%



SQUARE PERFORATION Q12, 16%

SKYROCK ECOBLOCK - Q12

SQUARE PERFORATION



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS

DESCRIPTION

Skyrock Ecoblock Square Perforation Q12 is manufactured from a specially formulated core encased in recycled face and back liner papers. The panels have long recessed edges for easy application when used with USG Middle East's Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder. The acoustic gypsum boards are punched to specification with precision engineering before being laminated with a non-woven acoustic mat on the back.

FINISHING AND DECORATING

- It is essential that the level of finish is determined at the design stage since each level has specific requirements for substrate tolerances and board installation jointing and finishing. The desired level of finish may not be achieved unless all of these requirements are met through various stages of construction.
- USG recommends the use of Acoustical Sealant and EASYJOINT™ 60 Setting-Type Premium-Jointing Powder to achieve the best jointing strength.
- For priming and decorating with paint, USG recommends using roller applications.
- Roller application ensures a uniform texture over the entire surface and protects the non-woven acoustic mat on the back face.
- Avoid spray painting as it may block holes, thus affecting acoustic performance.

ADVANTAGES

Performance: Manufactured in a range of configurations to satisfy a multitude of desired aesthetic designs.
Acoustic Performance: Superior NRC capabilities up-to 0.70.
Easy to Install: Scores and snaps easily. Similar installation to conventional plasterboard.

COMPLIANCE

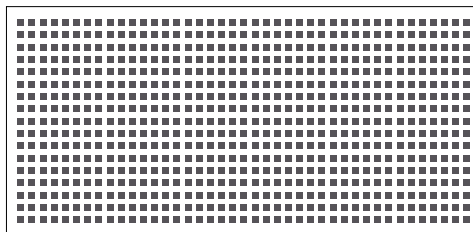
Skyrock Ecoblock Square Perforation Q12, 16%
 • ASTM C423 for Noise Reduction Coefficient
 • E84 for classification for fire propagation and surface flame spread

PRODUCT DATA

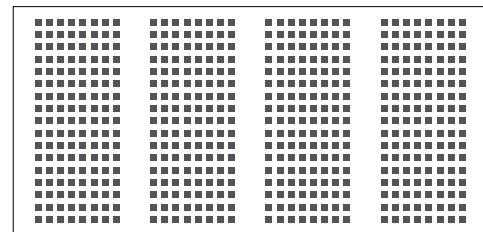
Property	Q12, 16%
Weight (kg/m ²)	6.3 kg/m ²
Thickness (mm)	12.5
Length (mm)	2400
Width (mm)	1200
Hole Type	Square
Hole Size (mm)	12 x 12
Border (mm)	67.5
Pitch (center to center spacing between holes){mm}	30
Layout Drawing	As per the below drawing
Perforation Rate (%)	16% with black acoustic tissue at the back
Noise Reduction Coefficient (NRC*)	0.70
Mounting	E-400

*Insulation (Optional) 24kg/m³, 75mm glass wool as backer panel for higher acoustic values

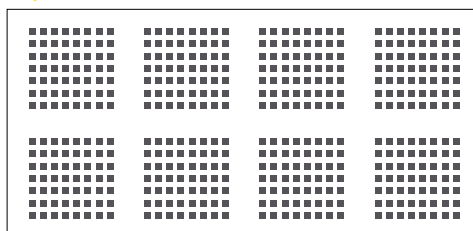
Q12 LAYOUT DESIGNS



1 Fully perforated



2 Strip design



3 Globe 8 design





SKYNEST
WOOD WOOL

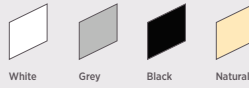
SKYNEST

WOOD WOOL BAFFLES



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



White Grey Black Natural



Custom RAL Color *

*Check with our technical team for lead time delivery

SKYNEST WOOD WOOL BAFFLES



FEATURES & BENEFITS

- Skyneast acoustic baffles are a durable and nature friendly material made of top quality wood wool and cement.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- By combining fire safety with good acoustic and heat insulation properties, this product offers the widest variety of design solutions.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach α_w 0.65.
- Not only provides sound insulation but also absorbs excess moisture in rooms. Does not change shape or warp in high humidity rooms

APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurant

Frequency, Hz	125	250	500	1000	2000	4000	α_w^*
25mm	0.25	0.50	0.55	0.50	0.60	0.65	0.55
35mm	0.30	0.50	0.60	0.60	0.75	0.90	0.65

Sound Absorption

*Calculated to EN ISO 11654



SKYNEST WOOD WOOL BAFFLES



HIGH SOUND ABSORPTION



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



CONFORMITÉ EUROPÉENNE



CERTIFIED FOR FSC

SUSPENSION SYSTEM

Consists of a stainless-steel screw eye hook dropping from the soffit that is fixed on the tiles through helicoidal rotation. Screw hook accessories are adjustable to suit different plenum heights. The Screw hook is designed to safely hold the tile weight of a floated ceiling.

Materials Classification Stainless Steel 1.5mm screw diameter with breaking force of 2.10 KN with eye diameter of 12mm and total height of 40mm

Product Specs Suspension Rope with Cable Gripper & Hook 1.5mm wire diameter

ASTM & Code Standards Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic

Stainless Steel Wire that exceeds design load requirements of ASTM C635

SPECIFICATION DETAILS

Skynest Wood Wool Baffles Ceiling meets the requirements in accordance with EN 13964.

Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

Ecology – the material is produced in an environmentally-friendly way

Health – provides a positive, healthy environment

Aesthetics – a wide range of colors, textures and finishes

Acoustics – excellent sound insulating and absorbing properties

Durability – does not become deformed or lose its properties over time

Fire safety – high fire safety indicators (A2-s1, d0 and B-s1, d0)

Heat-insulation – excellent insulation properties

Material Classification

Type XIV, Excelsior bonded with inorganic binders

Pattern: L, random swirl

Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

Wood Wool

1mm, 1.5mm, 3mm*

Panel Thickness

25mm, 35mm

Edge Detail Trim

Square blade

Weight

1mm Wood Wool:

25mm: 11.5 kg/m²

35mm: 14.5 kg/m²

1.5mm Wood Wool:

25mm: 10.5 kg/m²

35mm: 13.5 kg/m²

3mm Wood Wool:

25mm: 11.5 kg/m²

35mm: 14.5 kg/m²

Sound Absorption [α_w]

0.55 - 0.65

Color

Natural, white, black, grey, or painted according to RAL color chart.

Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0

1.5mm Wood Wool: B-s1, d0

Thermal conductivity

$\lambda = 0.066$ W/mK

Thermal Resistance

25mm: 0.35 m² K/W

35mm: 0.5 m² K/W

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface.

Additional Information

- USG Middle East's Skynest Wood Wool Baffles are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- 3mm Wood Wool is available upon request. Consult your USG Middle East sales office.



Superfine
1 mm Wood Wool Strand Width



Fine
1.5 mm Wood Wool Strand Width



Regular
3 mm Wood Wool Strand Width

SKYNEST WOOD WOOL BAFFLES



HIGH SOUND ABSORPTION



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



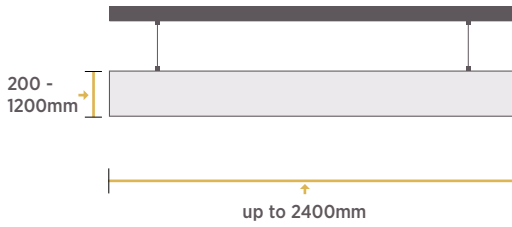
CONFORMITÉ EUROPÉENNE



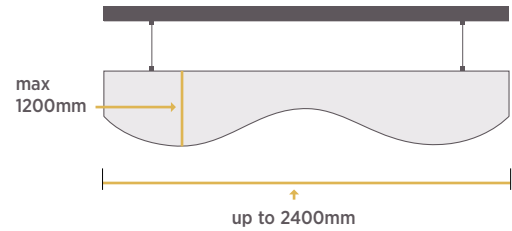
CERTIFIED FOR FSC

SYSTEMS CONFIGURATIONS*

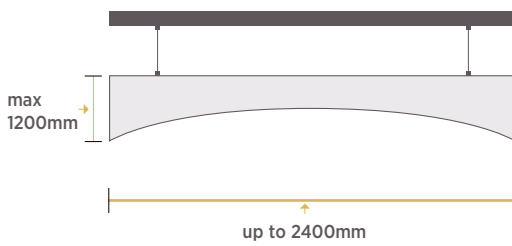
Straight



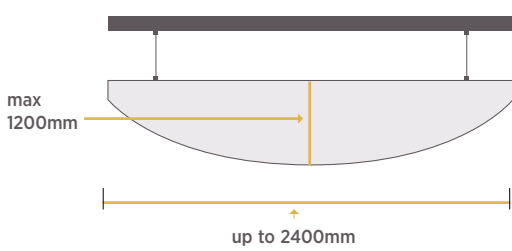
Wavy



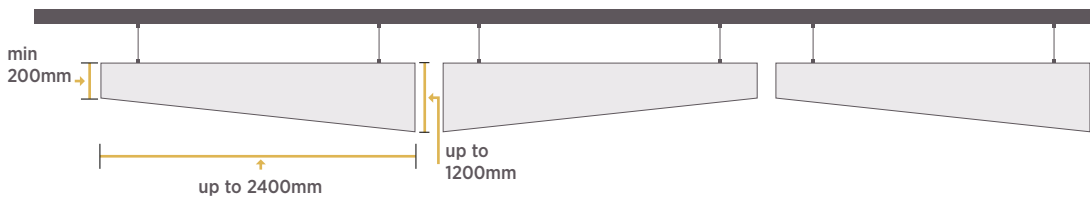
Concave



Convex



Zigzag



* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.



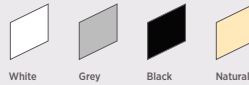
SKYNEST

WOOD WOOL CANOPIES



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



White

Grey

Black

Natural



Custom
RAL Color *

*Check with our technical team
for lead time delivery

SKYNEST WOOD WOOL CANOPIES



FEATURES & BENEFITS

- Skynest acoustic canopies are a durable and environmentally friendly material made of top-quality wood wool and cement.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- By combining fire safety with good acoustic and heat insulation properties, this product offers the widest variety of design solutions.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach α_w 0.60.
- Not only provides sound insulation but also absorbs excess moisture in rooms. Does not change shape or warp in high humidity rooms.
- Featuring endless shapes, system configuration and layouts allowing the designers for freedom in design.

APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurants

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	α_w^*
25mm	0.25	0.50	0.55	0.50	0.60	0.65	0.55

*Calculated to EN ISO 11654



SKYNEST WOOD WOOL CANOPIES



HIGH SOUND ABSORPTION



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



CONFORMITÉ EUROPÉENNE



CERTIFIED FOR FSC

SUSPENSION SYSTEM

Consists of a stainless-steel Screw eye hook dropping from the soffit that is fixed on the tiles through helicoidal rotation. Screw hook accessories are adjustable to suit different plenum heights. The Screw hook is designed to safely hold the tile weight of a floated ceiling.

Materials Classification Stainless Steel 1.5mm screw diameter with breaking force of 2.10 KN with eye diameter of 12mm and total height of 40mm

Product Specs Suspension Rope with Cable Gripper & Hook 1.5mm wire diameter

ASTM & Code Standards Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.

Stainless Steel Wire that exceeds design load requirements of ASTM C635

SPECIFICATION DETAILS

Skynest Wood Wool Canopies Ceiling meets the requirements in accordance with EN 13964.

Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

Ecology - the material is produced in an environmentally-friendly way

Health - provides a positive, healthy environment

Aesthetics - a wide range of colors, textures and finishes

Acoustics - excellent sound insulating and absorbing properties

Durability - does not become deformed or lose its properties over time

Fire safety - high fire safety indicators (A2-s1, d0 and B-s1, d0)

Heat-insulation - excellent insulation properties

Material Classification

Type XIV, Excelsior bonded with inorganic binders

Pattern: L, random swirl

Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

Wood Wool

1mm, 1.5mm, 3mm*

Panel Thickness

25mm

Edge Detail Trim

Square blade

Weight

1mm Wood Wool:
25mm: 11.5 kg/m²

1.5mm Wood Wool:
25mm: 10.5 kg/m²

3mm Wood Wool:
25mm: 11.5 kg/m²

Sound Absorption [α_w]

0.55

Color

Natural, white, black, grey, or painted according to RAL color chart.

Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0

1.5mm Wood Wool: B-s1, d0

Thermal conductivity

$\lambda = 0.066$ W/mK

Thermal Resistance

25mm: 0.35 m² K/W

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface.

Additional Information

- USG Middle East's Skynest Wood Wool Canopies are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Panels must be ordered in multiples of two.
- Take care to minimize movement due to airflow within a space.
- 3mm Wood Wool is available upon request. Consult your USG Middle East sales office.
- Available in different shapes & configuration.



Superfine
1 mm Wood Wool Strand Width



Fine
1.5 mm Wood Wool Strand Width



Regular
3 mm Wood Wool Strand Width

SKYNEST WOOD WOOL CANOPIES



HIGH SOUND ABSORPTION



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



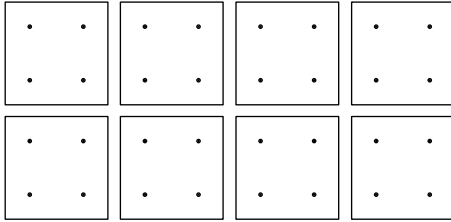
CONFORMITÉ EUROPÉENNE



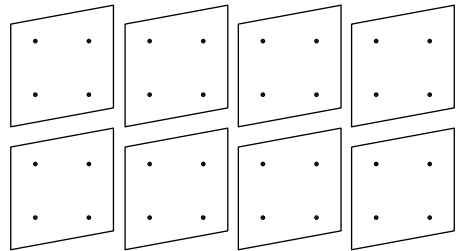
CERTIFIED FOR FSC

SYSTEMS CONFIGURATIONS*

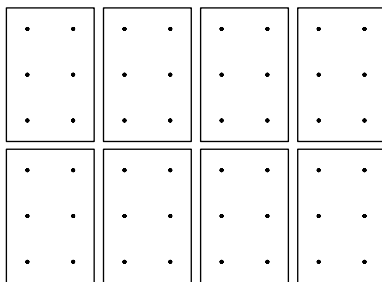
Square



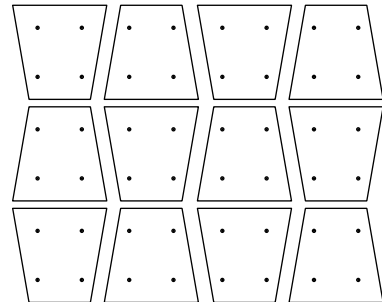
Parallelogram



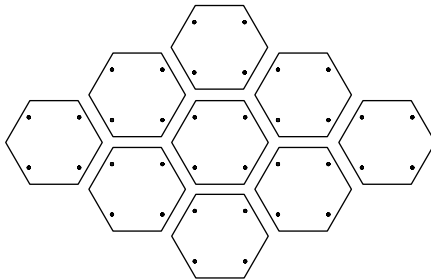
Rectangle



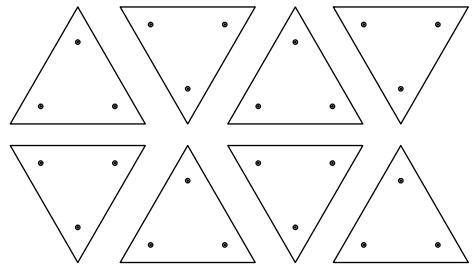
Trapezoid



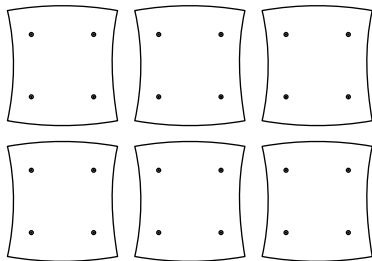
Hexagon



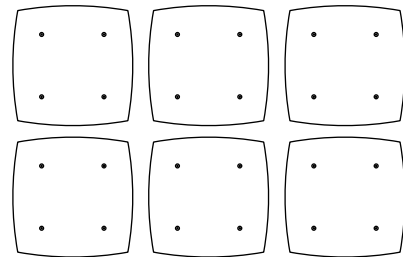
Triangle



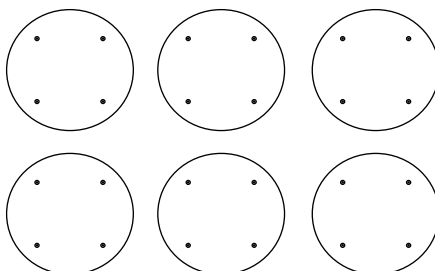
Concave



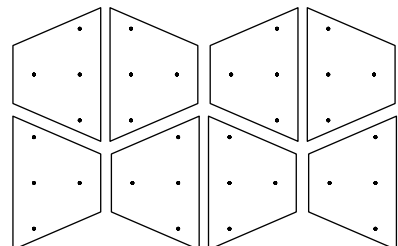
Convex



Circle



Trapezoid



* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.

SKYNEST WOOD WOOL SUSPENDED CEILING



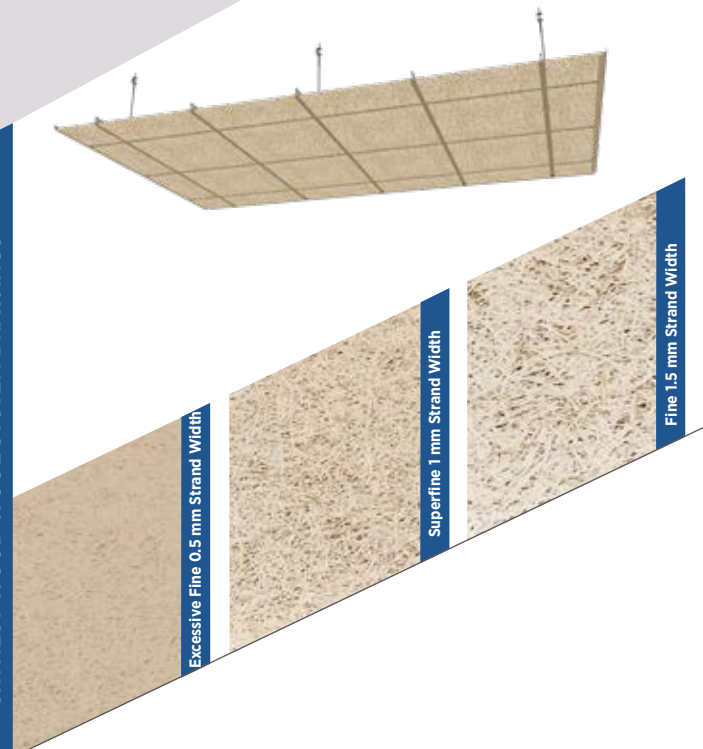
VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



*Check with our technical team for lead time delivery

SKYNEST WOOD WOOL SYSTEM DRAWINGS



FEATURES & BENEFITS

- Durable and environmentally-friendly decorative acoustical wood wool panels for indoor use.
- Available in concealed and lay-in options.
- Made from high-quality wood wool and cement.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach α_w 0.65.
- Class A Firecode material with great acoustic and thermal insulation capacities.
- Perfectly suitable for the widest range of interior solutions.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- M1 Formaldehyde emission class.
- Available in 0.5mm, 1.0mm and 1.5mm wood wool strip.
- Available in different colors and panels size configurations.
- Featuring concealed suspension ceiling system with many design configurations for a modern interior design.

APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurant

	Frequency, Hz	125	250	500	1000	2000	4000	α_w *
Sound Absorption	15mm	0.10	0.20	0.50	0.65	0.55	0.65	0.50
	15mm**	0.30	0.65	1.0	0.85	0.75	0.80	0.85
	25mm	0.25	0.50	0.55	0.50	0.60	0.65	0.55

* Calculated to EN ISO 11654

** With 50mm mineral wool insulation

SKYNEST WOOD WOOL SUSPENDED CEILING



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



CERTIFIED FOR FSC



CONFORMITÉ EUROPÉENNE

TABLE OF PERFORMANCE
FINE WOOD WOOL 1.5MM

Edge Detail	Item	Size (mm)	Color	α_w	Reaction to Fire	Recycled Content	Formaldehyde Emission	Cost
SQ 	SNF665	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNF625	600x1200x15mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF6625	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF6225	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF665-N	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNF625-N	600x1200x15mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF6625-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF6225-N	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF665-G	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNF625-G	600x1200x15mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF6625-G	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNF6225-G	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
SNF665-B	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$	
SNF625-B	600x1200x15mm		0.55	Class B	<25%	M1	\$\$\$\$	
SNF6625-B	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SNF6225-B	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SB Square Beveled 	SNFB665	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNFB665-INSW5030	600x600x15mm		0.85				
	SNFB625	600x1200x15mm		0.50				
	SNFB6625	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFB665-N	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNFB665-INSW5030	600x600x15mm		0.85				
	SNFB625-N	600x1200x15mm		0.50				
	SNFB6625-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFB665-G	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNFB625-G	600x1200x15mm		0.55				
	SNFB6625-G-INSW5030	600x600x15mm		0.85	Class B	<25%	M1	\$\$\$\$
	SNFB6625-G	600x600x25mm		0.55				
SNFB665-B	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$	
SNFB665-INSW5030	600x600x15mm		0.85					
SNFB625-B	600x1200x15mm		0.50					
SNFB6625-B	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SLT 	SNFR6625	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFR6225	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFR6625-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFR6225-N	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFR6625-G	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFR6225-G	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
SNFR6625-B	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SNFR6225-B	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
FL 	SNFRF6625	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6225	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6625-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6225-N	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6625-G	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6225-G	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
SNFRF6625-B	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SNFRF6225-B	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
Comet Line FL 	SNFRF6625-C	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6225-C	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6625-C-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6225-C-N	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNFRF6625-C-G	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
SNFRF6225-C-G	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$	

SKYNEST WOOD WOOL SUSPENDED CEILING



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION




















































































































































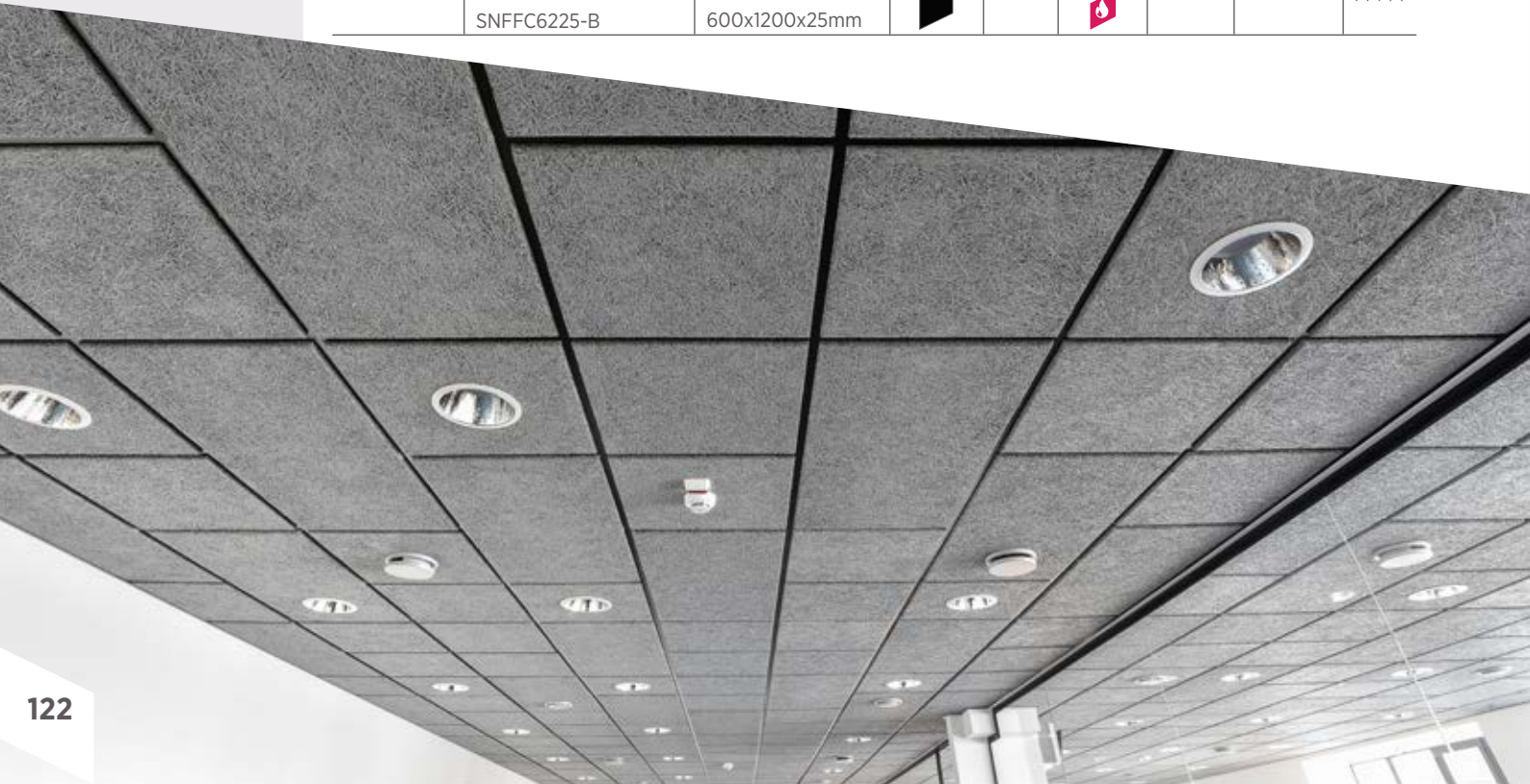
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TABLE OF PERFORMANCE FINE WOOD WOOL 1.5MM

Edge Detail	Item	Size (mm)	Color	α _w	Reaction to Fire	Recycled Content	Formaldehyde Emission	Cost
	SNFB6225-C	600x1200x25mm		0.55				
	SNFB6225-C-N	600x1200x25mm		0.55				
	SNFB6225-C-G	600x1200x25mm		0.55				
	SNFR6625-C	600x600x25mm		0.55				
	SNFR6625-C-N	600x600x25mm		0.55				
	SNFR6625-C-G	600x600x25mm		0.55				
	SNFRFDC6625	600x600x25mm		0.55				
	SNFRFDC6225	600x1200x25mm		0.55				
	SNFRFDC6625-N	600x600x25mm		0.55				
	SNFRFDC6225-N	600x1200x25mm		0.55				
	SNFRFDC6625-G	600x600x25mm		0.55				
	SNFRFDC6225-G	600x1200x25mm		0.55				
	SNFRFDC6625-B	600x600x25mm		0.55				
	SNFRFDC6225-B	600x1200x25mm		0.55				
	SNFDSC6625	600x600x25mm		0.55				
	SNFDSC6225	600x1200x25mm		0.55				
	SNFDSC6625-N	600x600x25mm		0.55				
	SNFDSC6225-N	600x1200x25mm		0.55				
	SNFDSC6625-G	600x600x25mm		0.55				
	SNFDSC6225-G	600x1200x25mm		0.55				
	SNFFC6625	600x600x25mm		0.55				
	SNFFC6225	600x1200x25mm		0.55				
	SNFFC6625-N	600x600x25mm		0.55				
	SNFFC6225-N	600x1200x25mm		0.55				
	SNFFC6625-G	600x600x25mm		0.55				
	SNFFC6225-G	600x1200x25mm		0.55				
	SNFFC6625-B	600x600x25mm		0.55				
	SNFFC6225-B	600x1200x25mm		0.55				



SKYNEST WOOD WOOL SUSPENDED CEILING



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



CERTIFIED FOR FSC



CONFORMITÉ EUROPÉENNE

TABLE OF PERFORMANCE SUPERFINE WOOD WOOL 1.0MM

Edge Detail	Item	Size (mm)	Color	α _w	Reaction to Fire	Recycled Content	Formaldehyde Emission	Cost
SQ 	SNS665	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNXS665	600x600x15mm		0.50				
	SNS625	600x1200x15mm		0.50	Class B			
	SNS6625	600x600x25mm		0.55	Class B			
	SNS6225	600x1200x25mm		0.55	Class B			
	SNS665-N	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNXS665-N	600x600x15mm		0.50				
	SNS625-N	600x1200x15mm		0.50	Class B			
	SNS6625-N	600x600x25mm		0.55	Class B			
	SNS6225-N	600x1200x25mm		0.55	Class B			
	SNS665-G	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNXS665-G	600x600x15mm		0.50				
	SNS625-G	600x1200x15mm		0.50	Class B			
	SNS6625-G	600x600x25mm		0.55	Class B			
	SNS6225-G	600x1200x25mm		0.55	Class B			
	SNS665-B	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNXS665-B	600x600x15mm		0.50				
	SNS625-B	600x1200x15mm		0.50	Class B			
	SNS6625-B	600x600x25mm		0.55	Class B			
	SNS6225-B	600x1200x25mm		0.55	Class B			
SB Square Beveled 	SNSB665	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNXS665	600x600x15mm		0.50				
	SNXS665-INSW5030	600x600x15mm		0.85				
	SNSB6625	600x600x25mm		0.55	Class B			
	SNSB625	600x1200x15mm		0.55	Class B			
	SNSB665-N	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNSB625-N	600x1200x15mm		0.50	Class B			
	SNXS665-N	600x600x15mm		0.50				
	SNXS665-N-INSW5030	600x600x15mm		0.85				
	SNSB6625-N	600x600x25mm		0.55	Class B			
	SNSB665-G	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
	SNXS665-G	600x600x15mm		0.50				
	SNXS665-G-INSW5030	600x600x15mm		0.85				
	SNSB6625-G	600x600x25mm		0.55	Class B			
	SNSB625-G	600x1200x15mm		0.50	Class B			
	SNSB665-B	600x600x15mm		0.50	Class B	<25%	M1	\$\$\$\$
SNXS665-B	600x600x15mm		0.50					
SNXS665-B-INSW5030	600x600x15mm		0.85					
SNSB6625-B	600x600x25mm		0.55	Class B				
SNSB625-B	600x1200x15mm		0.50	Class B				
SLT 	SNSR6625	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNSR6225	600x1200x25mm		0.55	Class B			
	SNSR6625-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNSR6225-N	600x1200x25mm		0.55	Class B			
	SNSR6625-G	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNSR6225-G	600x1200x25mm		0.55	Class B			
SNSR6625-B	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SNSR6225-B	600x1200x25mm		0.55	Class B				
FL 	SNSRF6625	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNSRF6225	600x1200x25mm		0.55	Class B			
	SNSRF6625-N	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNSRF6225-N	600x1200x25mm		0.55	Class B			
	SNSRF6625-G	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNSRF6225-G	600x1200x25mm		0.55	Class B			
SNSRF6625-B	600x600x25mm		0.55	Class B	<25%	M1	\$\$\$\$	
SNSRF6225-B	600x1200x25mm		0.55	Class B				

SKYNEST WOOD WOOL SUSPENDED CEILING



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE



CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION



CERTIFIED FOR FSC



CONFORMITÉ EUROPÉENNE

TABLE OF PERFORMANCE SUPERFINE WOOD WOOL 1.0MM

Edge Detail	Item	Size (mm)	Color	α_w	Reaction to Fire	Recycled Content	Formaldehyde Emission	Cost
Comet Line FL 	SNSRF6625-C	600x600x25mm		0.55		<25%	M1	\$\$\$\$
	SNSRF6225-C	600x1200x25mm		0.55		<25%	M1	\$\$\$\$
	SNSRF6625-C-N	600x600x25mm		0.55		<25%	M1	\$\$\$\$
	SNSRF6225-C-N	600x1200x25mm		0.55		<25%	M1	\$\$\$\$
	SNSRF6625-C-G	600x600x25mm		0.55		<25%	M1	\$\$\$\$
SNSRF6225-C-G	600x1200x25mm		0.55		<25%	M1	\$\$\$\$	
Comet Line SB 	SNSB6225-C	600x1200x25mm		0.55		<25%	M1	\$\$\$\$
	SNSB6225-C-N	600x1200x25mm		0.55		<25%	M1	\$\$\$\$
	SNGSB6225-C-G	600x1200x25mm		0.55		<25%	M1	\$\$\$\$
Comet Line SLT 	SNSR6625-C	600x600x25mm		0.55		<25%	M1	\$\$\$\$
	SNSR6625-C-N	600x600x25mm		0.55		<25%	M1	\$\$\$\$
	SNSR6625-C-G	600x600x25mm		0.55		<25%	M1	\$\$\$\$
Demountable Concealed D-Besk 	SNSRFDC6625	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSRFDC6225	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSRFDC6225-N	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSRFDC6625-N	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSRFDC6625-G	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSRFDC6225-G	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
Demountable Concealed S-Besk 	SNSDSC6625	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSDSC6225	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSDSC6225-N	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSDSC6625-N	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSDSC6625-G	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSDSC6225-G	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
Fully Concealed 	SNSFC6625	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSFC6225	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSFC6625-N	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSFC6225-N	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSFC6625-G	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSFC6225-G	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$
Fully Concealed 	SNSFC6625-B	600x600x25mm		0.55		<25%	M1	\$\$\$\$\$
	SNSFC6225-B	600x1200x25mm		0.55		<25%	M1	\$\$\$\$\$

SKYNEST WOOD WOOL SUSPENDED CEILING



TABLE OF PERFORMANCE EXCESSIVE WOOD WOOL 0.5 MM

Edge Detail	Item	Size (mm)	Color	α_w	Reaction to Fire	Recycled Content	Formaldehyde Emission	Cost
Comet Line FL 	SNERF6225-C	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNERF6225-C-N	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNERF6225-C-G	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
Comet Line SB 	SNEB6225-C	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNEB6225-C-N	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$
	SNEB6225-C-G	600x1200x25mm		0.55	Class B	<25%	M1	\$\$\$\$



Excessive Fine
0.5 mm Wood Wool Strand Width



Super Fine
1.0 mm Wood Wool Strand Width



Fine
1.5 mm Wood Wool Strand Width

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT/DXF FLB Edge	DX/DXL D-BESK Edge	DX/DXL BESK Edge

SPECIFICATION DETAILS

SkyneSt Wood Wool Acoustical Ceiling meets the specifications in accordance with EN 13964.

Material Classification

Type: XIV
Pattern: L

Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

Wood Wool

0.5mm, 1mm, 1.5mm, 3mm*

Panel Thickness

15mm, 25mm

Edge Detail Trim

Square [SQ, SB], Reveal [SLT, FL]
Concealed [Besk, D-Besk, S-Besk]

Weight

1mm Wood Wool:
15mm: 6.3 kg/m²
25mm: 10.5 kg/m²
1.5mm Wood Wool:
15mm: 6.3 kg/m²
25mm: 10.5 kg/m²

Sound Absorption [α_w]

0.50 - 0.55 - 0.85

Color

Natural, white, black, grey, or painted according to RAL color chart.

Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0
1.5mm Wood Wool: B-s1, d0

Thermal conductivity

$\lambda = 0.066$ W/mK

Thermal Resistance

25mm: 0.35 m² K/W

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

Additional Information

- USG Middle East's SkyneSt Wood Wool Acoustical Ceiling Panels are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Installation of wood wool acoustic panels are for interior use in an environment with carefully-controlled humidity and temperature.
- Installation should take place in a clean, dust-free environment.
- Panels should be stored flat to protect against moisture and dirt.
- Panel surface color may vary from edge color as these are natural materials.

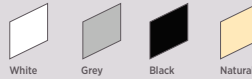
* 3mm Wood Wool are available upon request, refer to our technical team for more information

SKYNEST WOOD WOOL DIRECT MOUNTING



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



White

Grey

Black

Natural



Custom
RAL Color *

*Check with our technical team
for lead time delivery



SKYNEST WOOD WOOL DIRECT MOUNTING

Excessive Fine 0.5 mm Strand Width

Superfine 1 mm Strand Width

Fine 1.5 mm Strand Width

FEATURES & BENEFITS

- Directly fixed to the ceiling plenum using the drywall suspension system.
- Durable and environmentally-friendly decorative acoustical wood wool panels for indoor use.
- Made from high-quality wood wool and cement.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach α_w 0.65.
- Class A Firecode material with great acoustic and thermal insulation capacities.
- Perfectly suitable for the widest range of interior solutions.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- M1 Formaldehyde emission class.
- Available in 0.5mm, 1.0mm and 1.5mm wood wool strip.
- Available in different colors and panel size configurations.

APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurant

Frequency, Hz	125	250	500	1000	2000	4000	α_w *
25mm	0.25	0.50	0.55	0.50	0.60	0.65	0.55
35mm	0.30	0.50	0.60	0.60	0.75	0.90	0.65


Sound Absorption

*Calculated to EN ISO 11654

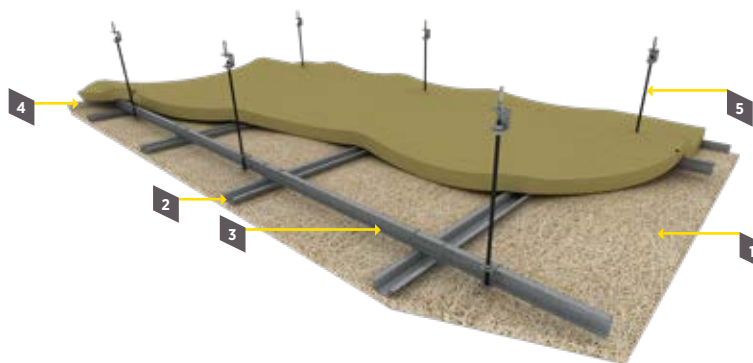
SKYNEST WOOD WOOL DIRECT MOUNTING



SKYNEST WOOD WOOL DIRECT MOUNTING SYSTEM COMPONENTS

Panel	Furring Channel	Primary Channel
		
Perimeter Angle	Wire Connecting Clip	Screw
		

SYSTEM DRAWINGS



1 Wood Wool Panel 2 Furring Channel 3 Primary Channel 4 Perimeter Angle 5 Hanging System

SPECIFICATION DETAILS

Skynest Wood Wool Direct Mounting Ceiling meets the requirements in accordance with EN 13964.

Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

Material Classification

Type: XIV
Pattern: L

Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint

Wood Wool

0.5mm, 1mm, 1.5mm, 3mm*

Panel Thickness

25mm, 35mm

* 3mm Wood Wool are available upon request, refer to our technical department for more information

Weight

1mm Wood Wool:
25mm: 10.5 kg/m²
35mm: 14.5 kg/m²

1.5mm Wood Wool:
25mm: 10.5 kg/m²
35mm: 13.5 kg/m²

Sound Absorption [α_w]

0.55 - 0.65

Color

Natural, white, black, grey, or painted according to RAL color chart.

Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0
1.5mm Wood Wool: B-s1, d0

Thermal conductivity

$\lambda = 0.066$ W/mK

Thermal Resistance

25mm: 0.35 m² K/W
35mm: 0.5 m² K/W

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

Additional Information

- USG Middle East's Skynest Wood Wool Direct Mounting Ceiling Panels are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Installation of wood wool acoustic panels are for interior use in an environment with carefully-controlled humidity and temperature.
- Installation should take place in a clean, dust-free environment.
- Panels should be stored flat to protect against moisture and dirt.
- Panel surface color may vary from edge color as these are natural materials.



A modern office interior featuring a soft fiber ceiling with a grid of recessed lighting. The ceiling is white with a subtle grid pattern. A green exit sign is mounted on the ceiling. The office includes a black leather sofa, a white desk with a computer monitor, and large windows with white frames. The floor is dark grey carpet. A large white diagonal overlay covers the right side of the image, containing the text 'SOFT FIBER CEILING'.

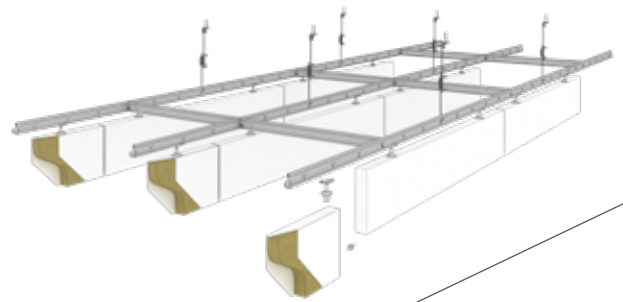
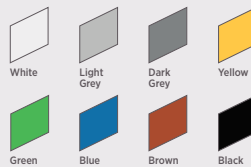
SOFT FIBER CEILING

LOUNA™ BAFFLE



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



LOUNA™ BAFFLE DRAWING

FEATURES & BENEFITS

- An elegant acoustic solution made from stone wool for any space
- Creates spacing in ceiling designs.
- Louna Baffle is a vertical hanging acoustic board encapsulated edges.
- Soft Fiber substrate with monolithic visual reduces installation time.
- Improved acoustic properties at exposed workplaces with NRC values of up to 0.90 (depending on baffle spacing from each other).
- Can accommodate existing elements such as lighting and air conditioning.
- Allows chilled beams or thermal mass heating to function as intended.
- Available in custom sizes and colors upon request.

APPLICATIONS

- Hotels
- Leisure centers
- Restaurants and cafes
- Open-plan areas
- Transportation (airports, bus terminals and train stations)
- Convention halls and concourses

Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC
1800x300x40mm**	0.20	0.30	0.65	0.90	0.85	0.80	0.70

* Calculated to ASTM C 423-01

** Spacing at 400mm



LOUNA™ BAFFLE



EN 13964 - 2014 + A1 - 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

SUSPENSION SYSTEM

Consists of a stainless-steel String dropping from the soffit and a Spiral Anchor (Spring) that is fixed on the tiles through helicoidal rotation. The String is adjustable to suit different plenum heights. The Spring is designed to safely hold the tile weight of a floated ceiling.




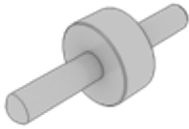
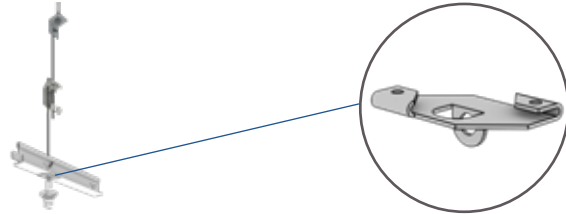
Materials Classification Stainless Steel 1.5mm wire diameter with breaking force of 2.10 KN

Product Specs Suspension Rope with Cable Gripper & Hook dia 1.5mm

Spiral Anchor dia 22mm

ASTM & Code Standards Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.

Stainless Steel Wire that exceeds design load requirements of ASTM C635

Spiral Anchor dia 22mm	Cable Gripper with Hook	Wire Rope 1.5mm
		
Connecting Guiding Pin (optional)	(Option 2) Donn® Grid Suspension System	Main T Clip 25mm
		

SPECIFICATION DETAILS

Louna™ Baffle Ceiling meets the specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Stone Wool substrate laminated with pre-painted fiberglass scrim

Thickness

40mm, 50mm

Size

200x600mm, 200x1200mm
200x1800mm, 200x2400mm,
300x600mm, 300x1200mm,
300x1800mm, 300x2400mm,
600x600mm, 600x1200mm,
600x1800mm, 600x2400mm

Edge Detail Trim

Square blade

Fixing

Steel String dropping from the soffit and a Spiral Anchor (Spring) that is fixed on the baffle through helicoidal rotation. The String is adjustable to suit different plenum heights. The Spring is designed to safely hold the tile weight of a floated ceiling.

Weight

6 kg/m²

Noise Reduction Coefficient [NRC]

up to 0.90 depending on baffle thickness and spacing

Mold Prevention Application as per ASTM D3273

Rate 10

Light Reflectance Coefficient [LR]

0.88

Color

White, other RAL colors on request

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IE Credit 9

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface.

Additional Information

- USG Middle East's Skynest Louna™ Baffles are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Custom sizes rather than the system configuration table. Shape and color options are available upon request. Consult your USG Middle East sales office.



Louna™ Baffle Edge

LOUNA™ BAFFLE



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION

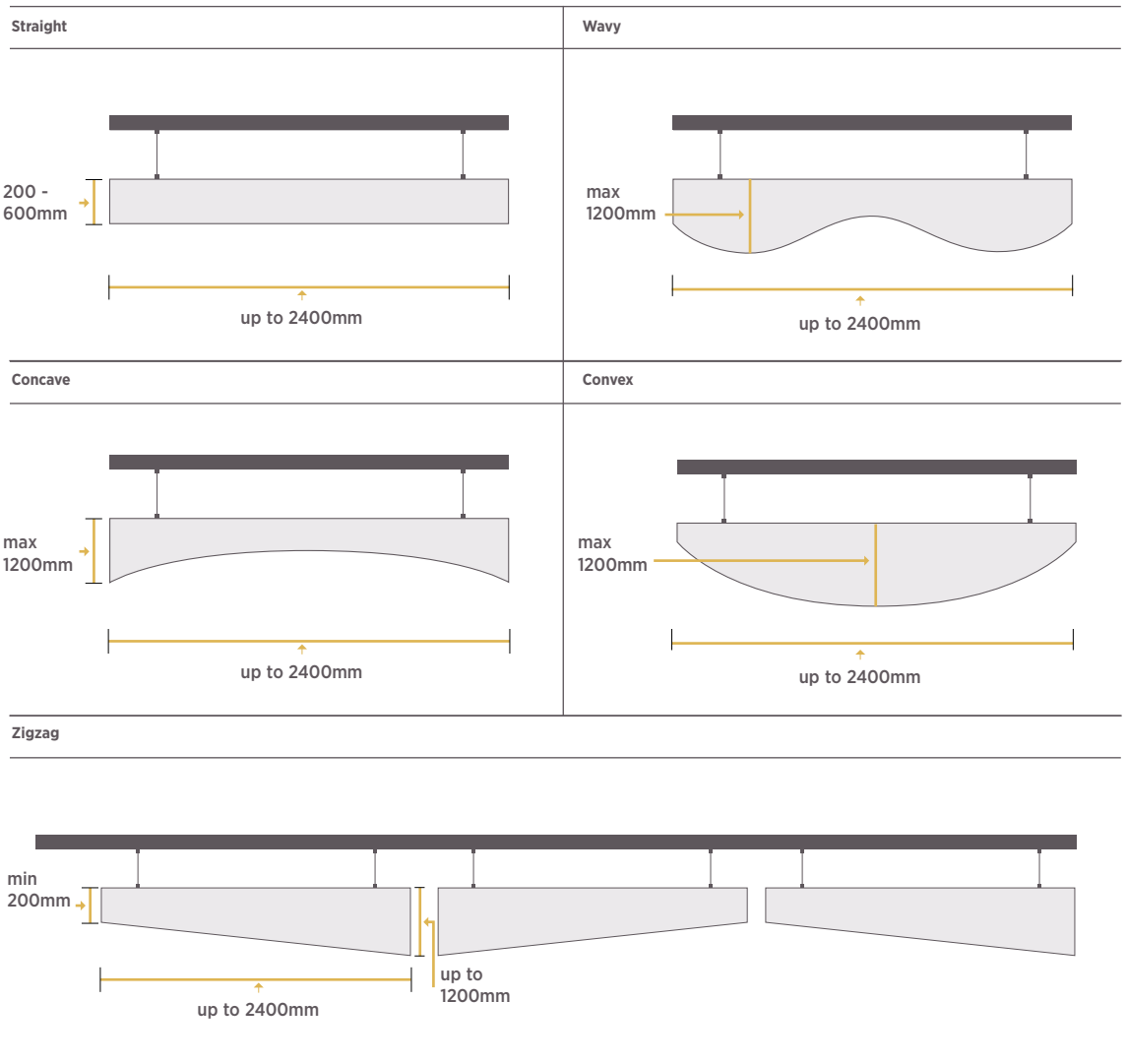


HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

SYSTEMS CONFIGURATIONS*



* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.

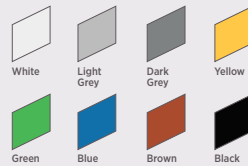


LOUNA™ ELEGANT



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



FEATURES & BENEFITS

- Top of the line ceiling panel made of stone wool substrate. Monolithic visual reduces installation time.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- Excellent combination of noise reduction (up to NRC-0.95) and sound attenuation (up to CAC-39).
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ Integrated ceiling system.

APPLICATIONS

- Executive offices
- Educational facilities
- Lobbies and waiting areas
- Sports facilities
- Recording studios
- Restaurants
- Receptions and offices
- Open-plan areas

Absorption Coefficient

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.60	0.85	0.85	0.95	1.0	1.0	0.90
19mm-R**	0.55	0.80	0.75	0.90	1.0	1.0	0.85
25mm	0.65	0.95	0.90	1.0	1.0	1.0	0.95
25mm-R**	0.60	0.80	0.80	1.0	1.0	1.0	0.90
25mm-AF***	0.40	0.70	0.85	1.0	1.0	1.0	0.90
38mm-AF***	0.45	0.65	0.80	0.95	0.95	0.95	0.85

* Calculated to ASTM C 423-01

** Reveal Edge

*** Aluminium Foil



LOUNA™ ELEGANT



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS





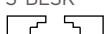


AVAILABLE IN CONCEALED EDGE



FIRECODE

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold / Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
	LC669	600*600*19	0.90	25	88%		Class A	47%	N/A	\$\$\$
	LC229	610*610*19								
	LC6625	600*600*25	0.95	26	88%		Class A	47%	N/A	\$\$\$
	LC2225	610*610*25								
	LC3225	300*1200*25	0.90	26	88%		Class A	47%	N/A	\$\$\$\$
	LC1425	310*1220*25								
	LC6625-AF*	600*600*25	0.90	35	88%		Class A	47%	N/A	\$\$\$\$
	LC2225-AF*	610*610*25								
	LCR669	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCR229	610*610*19								
	LCR6625	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2225	610*610*25								
	LCR3225	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR1425	310*1220*25								
	LCR6225	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2425	610*1220*25								
	LCRF669	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCRF229	610*610*19								
	LCRF6625	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2225	610*610*25								
	LCRF6225	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2425	610*1220*25								
	LCRF3225	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF1425	310*1220*25								
	LCRFDC669	600*600*19	0.85	28	88%		Class A	47%	N/A	\$\$\$\$\$
	LCRFDC6625	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$
	LCRFDC6638	600*600*38	0.90	32	88%		Class A	47%	N/A	\$\$\$\$\$
	LCDSC6625	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$

*Aluminium Foil
** To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXLT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge
DX/DXL D-BESK	DX/DXL S-BESK				

LOUNA™ ELEGANT



EN 13964 - 2014 + A1 - 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



AVAILABLE IN CONCEALED EDGE



FIRECODE

SPECIFICATION DETAILS

Louna™ Elegant Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Stone Wool substrate laminated with prepainted fiberglass scrim

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm,
300 x 1200mm, 310 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]
Concealed [D-BESK, S-BESK]

Weight

Square:

19mm: 1.8 kg/m²
25mm: 2.37 kg/m²
38mm: 3.6 kg/m²

Reveal [SL, FL]:

19mm: 2.85 kg/m²
25mm: 3.75 kg/m²

Concealed [D-BESK, S-BESK]:

19mm: 3.13 kg/m²
25mm: 4.12 kg/m²
38mm: 6.27 kg/m²

Noise Reduction Coefficient [NRC]

[0.85] [0.90] [0.95]

Ceiling Attenuation Class [CAC]

[25 - 39 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84 Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

LOUNA™ ELITE

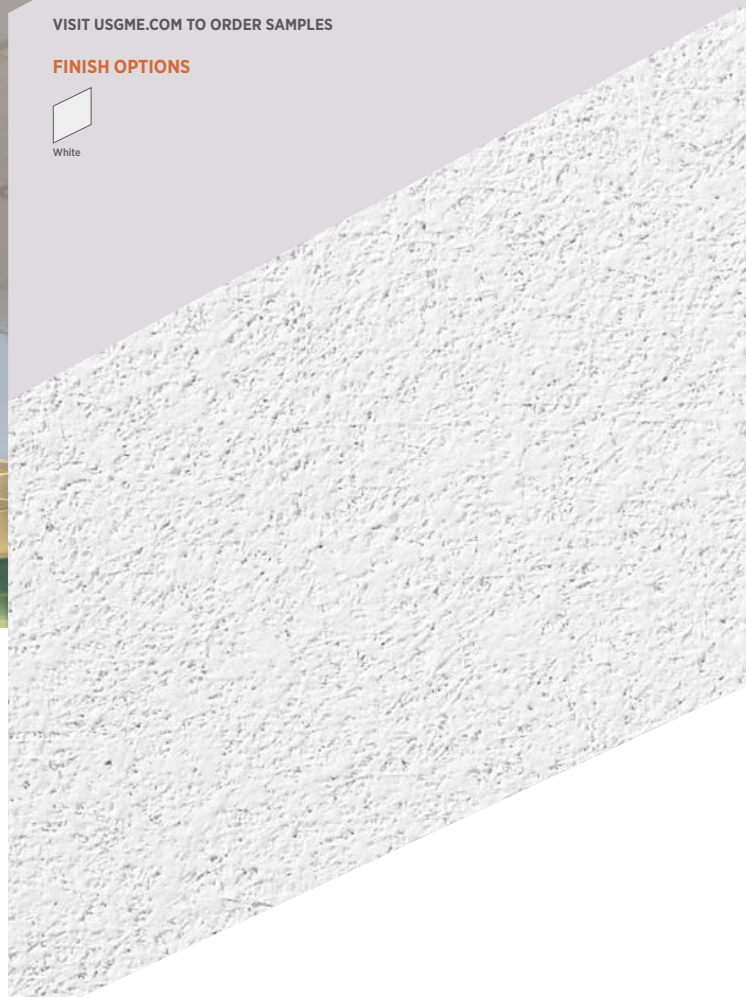


VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



White



FEATURES & BENEFITS

- Stone Wool substrate with stylish monolithic white surface and high performance mineral fleece membrane on the backside.
- Exceptional sound absorption with NRC values up to 1.0.
- Sanded surface finish with high light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Moisture resistance to withstand severe conditions when used with DONN® brand suspension system.
- Eco-friendly mineral wool product made from natural stone.
- Washable & scrubbable finish.

APPLICATIONS

- Open-plan offices
- Offices with indirect lighting
- Restaurants and cafes
- Media room
- Conference facilities
- Reception areas
- Libraries

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	19mm	0.60	0.95	0.85	0.95	1.0	1.0	0.95
25mm	0.60	1.0	0.90	1.0	1.0	1.0	1.0	

*Calculated to ASTM C 423-01

LOUNA™ ELITE



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



AVAILABLE IN CONCEALED EDGE



FIRECODE

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold / Mildew & Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
SQ 	LEC669	600*600*19	0.95	25	88%		Class A	47%	N/A	\$\$\$
	LEC229	610*610*19								
	LEC629	600*1200*19	0.95	25	88%		Class A	47%	N/A	\$\$\$
	LEC249	610*1220*19								
	LEC6625	600*600*25	1.0	26	88%		Class A	47%	N/A	\$\$\$\$
	LEC2225	610*610*25								
	LEC6225	600*1200*25	1.0	26	88%		Class A	47%	N/A	\$\$\$\$
LEC2425	610*1220*25									
SL 	LECR669	600*600*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECR229	610*610*19								
	LECR629	600*1200*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECR249	610*1220*19								
	LECR6625	600*600*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
	LECR2225	610*610*25								
	LECR6225	600*1200*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
LECR2425	610*1220*25									
FL 	LECRF669	600*600*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECRF229	610*610*19								
	LECRF629	600*1200*19	0.90	27	88%		Class A	47%	N/A	\$\$\$\$
	LECRF249	610*1220*19								
	LECRF6625	600*600*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
	LECRF2225	610*610*25								
	LECRF6225	600*1200*25	0.95	28	88%		Class A	47%	N/A	\$\$\$\$
LECRF2425	610*1220*25									

* To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXLT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge

SPECIFICATION DETAILS

Louna™ Elite Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: E, G

Substrate and Surface Finish

Stone Wool substrate finished with factory applied painted fiberglass scrim

Thickness

19mm, 25mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

Square:
19mm: 1.8 kg/m²
25mm: 2.37 kg/m²

Reveal [SL, FL]:
19mm: 2.85 kg/m²
25mm: 3.75 kg/m²

Noise Reduction Coefficient [NRC]

[0.90] [0.95] [1.0]

Ceiling Attenuation Class [CAC]

[25 - 28 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

λ = 0.036 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

LOUNA™ NATURAL



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



White



FEATURES & BENEFITS

- Specially engineered for cost-effective commercial projects that require improved sound absorption and a quality aesthetic look.
- Stone Wool substrate with monolithic white surface and mineral fleece membrane on the backside.
- High sound absorption with NRC values up to 0.95.
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Moisture resistant to withstand severe conditions when used with DONN® brand suspension system.
- Eco-friendly mineral wool product made from natural stone.
- Washable & scrubbable finish.

APPLICATIONS

- Commercial offices
- Warehouses and parking lots
- Offices with indirect lighting
- Restaurants and cafes
- Schools
- Reception areas
- Libraries

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	15mm	0.60	0.85	0.80	0.95	1.0	1.0	0.90
	19mm	0.60	0.90	0.85	1.0	1.0	1.0	0.95

*Calculated to ASTM C 423-01

LOUNA™ NATURAL



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION













HIGH SOUND ABSORPTION



FIRECODE

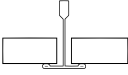
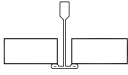
TABLE OF PERFORMANCE

Edge Detail*	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold / Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ 	LNC665	600*600*15	0.90	-	88%			47%	N/A	\$\$
	LNC225	610*610*15								
	LNC625	600*1200*15	0.90	-	88%		Class A	47%	N/A	\$\$
	LNC245	610*1220*15								
	LNC669	600*600*19	0.95	25	88%		Class A	47%	N/A	\$\$
	LNC229	610*610*19								
	LNC629	600*1200*19	0.95	25	88%		Class A	47%	N/A	\$\$
	LNC249	610*1220*19								

* Other edge details are available upon request and subject to minimum order quantity

** To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge
	

SPECIFICATION DETAILS

Louna™ Natural Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Stone Wool substrate finished with factory applied painted fiberglass scrim

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Standard, Square.
Other edges are available upon request

Weight

15mm: 1.42 kg/m²
19mm: 1.8 kg/m²

Noise Reduction Coefficient [NRC]

[0.90] [0.95]

Ceiling Attenuation Class [CAC]

[25 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

LOUNA™ HYGIENE



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



White

FEATURES & BENEFITS

- Superb ceiling panel made of stone wool substrate with water repellent facing membrane designed to be durable and safe with common disinfectants and sealed edges.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- For healthcare facilities this option provides an excellent combination of noise reduction (up to NRC-0.95) and sound attenuation (up to CAC-39) to improve patient recovery.
- High light reflectance (LR-0.88) reduces wear and tear on light fixtures and energy use.
- Recommended to be used with AX grid for hospitals in high-humidity or wet-cleaned areas.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ Integrated ceiling system.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Laboratories
- Laundry areas
- Lobbies
- ICU / NICU
- Pharmacies
- Waiting areas
- Ware washing

Absorption Coefficient

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.60	0.85	0.85	0.95	1.0	1.0	1.0	0.90
19mm-R**	0.55	0.80	0.75	0.90	1.0	1.0	1.0	0.85
25mm	0.65	0.95	0.90	1.0	1.0	1.0	1.0	0.95
25mm-R**	0.60	0.80	0.80	1.0	1.0	1.0	1.0	0.90
25mm-AF***	0.40	0.70	0.85	1.0	1.0	1.0	1.0	0.90
38mm-AF***	0.45	0.65	0.80	0.95	0.95	0.95	0.95	0.85

* Calculated to ASTM C 423-01

** Reveal Edge

*** Aluminium Foil



LOUNA™ HYGIENE



EN 13964 - 2014 + A1: 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



AVAILABLE IN CONCEALED EDGE



FIRECODE



HEALTHCARE APPLICATION

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold / Mildew & Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ 	LC669H	600*600*19	0.90	25	88%		Class A	47%	N/A	\$\$\$
	LC229H	610*610*19								
	LC6625H	600*600*25	0.95	26	88%		Class A	47%	N/A	\$\$\$
	LC2225H	610*610*25								
	LC3225H	300*1200*25	0.90	26	88%		Class A	47%	N/A	\$\$\$\$
	LC1425H	310*1220*25								
	LC6625-AFH*	600*600*25	0.90	35	88%		Class A	47%	N/A	\$\$\$\$
	LC2225-AFH*	610*610*25								
SL 	LCR669H	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCR229H	610*610*19								
	LCR6625H	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2225H	610*610*25								
	LCR3225H	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR1425H	310*1220*25								
	LCR6225H	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCR2425H	610*1220*25								
FL 	LCRF669H	600*600*19	0.85	27	88%		Class A	47%	N/A	\$\$\$\$
	LCRF229H	610*610*19								
	LCRF6625H	600*600*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2225H	610*610*25								
	LCRF6225H	600*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
	LCRF2425H	610*1220*25								
	LCRF3225H	300*1200*25	0.90	28	88%		Class A	47%	N/A	\$\$\$\$
D-BESK 	LCRFDC669H	600*600*19	0.85	28	88%		Class A	47%	N/A	\$\$\$\$\$
	LCRFDC6625H	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$
	LCRFDC6638H	600*600*38	0.90	32	88%		Class A	47%	N/A	\$\$\$\$\$
S-BESK 	LCDS6625H	600*600*25	0.90	29	88%		Class A	47%	N/A	\$\$\$\$\$

*Aluminium Foil
** To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXLT SQ Edge	AXCE SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge
DXI FL Edge	DX/DXL D-BESK	DX/DXL S-BESK			

LOUNA™ HYGIENE



EN 13964 - 2014 + A1 - 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



AVAILABLE IN CONCEALED EDGE



FIRECODE



HEALTHCARE APPLICATION

SPECIFICATION DETAILS

Louna™ Hygiene Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Stone Wool substrate laminated with prepainted fiberglass scrim with sealed edges and water repellent membrane

Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm,
300 x 1200mm, 310 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]
Concealed [D-BESK, S-BESK]

Weight

Square:

19mm: 1.8 kg/m²
25mm: 2.37 kg/m²
38mm: 3.6 kg/m²

Reveal [SL, FL]:

19mm: 2.85 kg/m²
25mm: 3.75 kg/m²

Concealed [D-BESK, S-BESK]:

19mm: 3.13 kg/m²
25mm: 4.12 kg/m²
38mm: 6.27 kg/m²

Noise Reduction Coefficient [NRC]

[0.85] [0.90] [0.95]

Ceiling Attenuation Class [CAC]

[25 - 39 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

White similar to RAL 9016.

Surface Burning Characteristics as per ASTM E84 Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

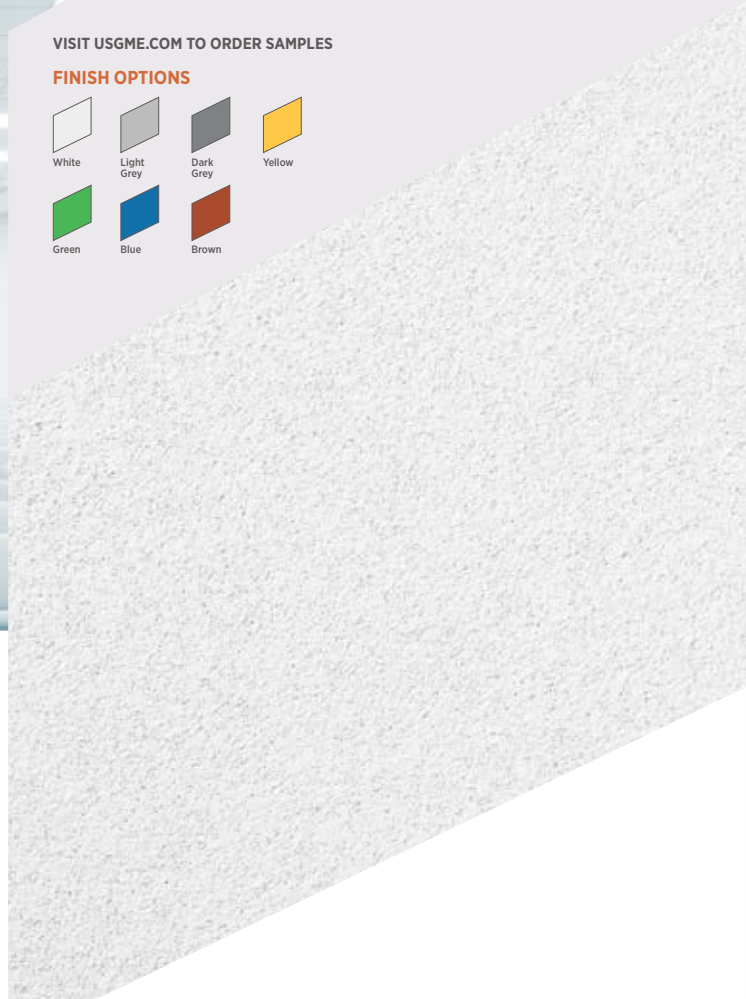
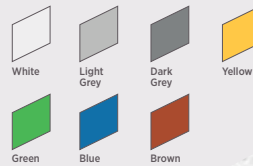
EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

LOUNA™ HI CAC



VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Specifically engineered when high acoustic performance is needed to satisfy high-frequency performance criteria.
- Hybrid ceiling panel is made of soft fiber substrate with wet-felted mineral fiber substrate on the rear side. Finished with painted fiberglass scrim and sealed edge.
- Excellent combination of noise reduction (up to NRC-0.90 for 53mm) and sound attenuation (up to CAC-42).
- Impact & scratch resistant finish scrim.
- Available in different colors.

APPLICATIONS

- Recording studios and radio stations
- Music and sports hall
- Industrial premises
- Convention halls and concourses
- Restaurants
- Sports facilities

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	43mm	0.45	0.50	0.85	1.0	1.0	1.0	0.85
53mm	0.40	0.50	0.90	1.0	1.0	1.0	0.90	

*Calculated to ASTM C 423-01

LOUNA™ HI CAC



EN 13964 - 2014 + A1 - 2007



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	LCX6643-MF	600*600*43	0.85	42	88%			40%	N/A	\$\$\$\$\$
	LCX2243-MF	610*610*43								
	LCX6243-MF	600*1200*43	0.85	42	88%			40%	N/A	\$\$\$\$\$
	LCX2443-MF	610*1220*43								
	LCXX6253-MF	600*600*53	0.90	41	88%			40%	N/A	\$\$\$\$\$
	LCXX2453-MF	610*610*53								
FL 	LCXRF6643-MF	600*600*43	0.85	42	88%			40%	N/A	\$\$\$\$\$
	LCXRF2243-MF	610*1220*43								
	LCXRF6243-MF	600*1200*43	0.85	42	88%			40%	N/A	\$\$\$\$\$
	LCXRF2443-MF	610*1220*43								
	LCXXRF6253-MF	600*600*53	0.90	41	88%			40%	N/A	\$\$\$\$\$
	LCXXRF2453-MF	610*1220*53								
	LCXXRF6653-MF	600*1200*53	0.90	41	88%			40%	N/A	\$\$\$\$\$
	LCXXRF2253-MF	610*1220*53								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Louna™ Hi CAC Acoustical Ceiling meets the specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Soft fiber substrate attach with wetfelted mineral fiber substrate on the rear side, and laminated with factory-applied painted fiberglass scrim on the surface

Thickness

43mm, 53mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [FL]

Weight

43mm [8.85 kg/m²],
53mm [12 kg/m²]

Noise Reduction Coefficient [NRC]

[0.85] [0.90]

Ceiling Attenuation Class [CAC]

[41 - 42 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

Standard White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84 Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

LOUNA™ HI CAC BLACK



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Offered in black to meet the growing demand from cinemas and theaters.
- Specifically engineered when high acoustic performance is needed to satisfy high-frequency performance criteria.
- Hybrid ceiling panel is made of soft fiber substrate with wet-felted mineral fiber substrate on the rear side. Finished with painted fiberglass scrim and sealed edge.
- Excellent combination of noise reduction (up to NRC-0.90 for 53mm) and sound attenuation (up to CAC-42).
- Impact & scratch resistant finish scrim.

APPLICATIONS

- Cinemas and operating theatres
- TV stations
- Recording studios and radio stations
- Music and sports hall
- Bowling alleys
- Industrial premises
- Convention halls and concourses
- Restaurants

Absorption Coefficient

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
43mm	0.45	0.50	0.85	1.0	1.0	1.0	0.85
53mm	0.40	0.50	0.90	1.0	1.0	1.0	0.90

* Calculated to ASTM C 423-01

LOUNA™ HI CAC BLACK



EN 13964 - 2014 + A1 - 2007



HIGH SOUND ABSORPTION


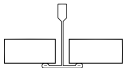
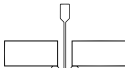


CEILING ATTENUATION CLASS



FIRECODE

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	LCX6643B-MF	600*600*43	0.85	42	-			40%	N/A	\$\$\$\$\$
	LCX2243B-MF	610*610*43	0.85	42	-			40%	N/A	\$\$\$\$\$
	LCX6243B-MF	600*1200*43								
	LCX2443B-MF	610*1220*43	0.90	41	-			40%	N/A	\$\$\$\$\$
	LCXX6653B-MF	600*600*53								
	LCXX2253B-MF	610*610*53								
		LCXX6253B-MF	600*1200*53	0.90	41	-			40%	N/A
	LCXX2453B-MF	610*1220*53								
DX/DXL SQ Edge					DXT SQ Edge					
										

GRID PROFILE OPTIONS

SPECIFICATION DETAILS

Louna™ Hi CAC Black Acoustical Ceiling meets the specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: G

Substrate and Surface Finish

Soft fiber substrate attach with wetfelted mineral fiber substrate on the rear side, and laminated with factory-applied painted fiberglass scrim on the surface

Thickness

43mm, 53mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square

Weight

43mm [8.85 kg/m²],
53mm [12 kg/m²]

Noise Reduction Coefficient [NRC]

[0.85] [0.90]

Ceiling Attenuation Class [CAC]

[41 - 42 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Color

Black Color similar to RAL 7021

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

$\lambda = 0.036 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

HALCYON™ CANOPIES



FEATURES & BENEFITS

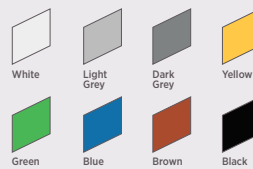
- Fiberglass substrate with monolithic visual reduces installation time.
- Available in flat and arc system configurations.
- Exceptional Sound Absorption with NRC values up to 1.0.
- High Light Reflectance (LR-0.88) reduces light fixture and energy use.
- Washable & scrubbable finish.
- Ideal for providing both visual accents and acoustical control.
- Easy to install.
- ClimaPlus™ 30-year limited system warranty against visible sag, mold and mildew.

APPLICATIONS

- Open-plenum areas
- Convention halls and concourses
- Reception and lobby areas
- Offices with indirect lighting
- Media rooms
- Libraries
- Restaurants
- Retail
- Hospitality

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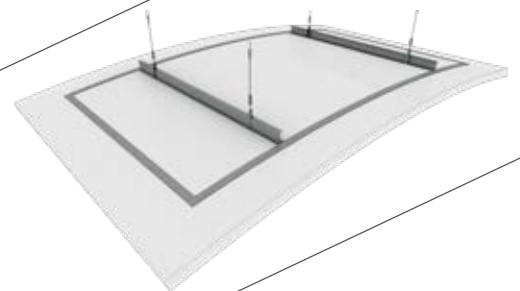
FINISH OPTIONS



FLAT SYSTEM



ARC SYSTEM



Sound Absorption

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
40mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01



HALCYON™ CANOPIES



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION

SUSPENSION SYSTEM

Consists of a stainless-steel String dropping from the soffit and a Spiral Anchor (Spring) that is fixed on the tiles through helicoidal rotation. The String is adjustable to suit different plenum heights. The Spring is designed to safely hold the tile weight of a floated ceiling.




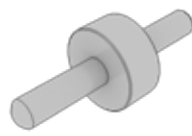
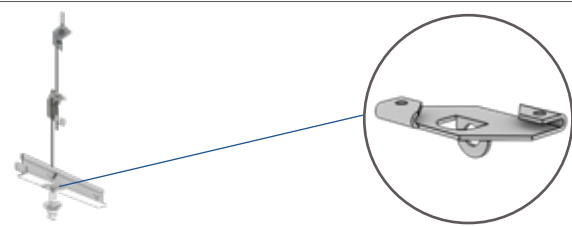
Materials Classification Stainless Steel 1.5mm wire diameter with breaking force of 2.10 KN

Product Specs Suspension Rope with Cable Gripper & Hook dia 1.5mm

Spiral Anchor dia 38mm

ASTM & Code Standards Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.

Stainless Steel Wire that exceeds design load requirements of ASTM C635

<p>Spiral Anchor dia 38mm</p> 	<p>Cable Gripper with Hook</p> 	<p>Wire Rope 1.5mm</p> 
<p>Connecting Guiding Pin (optional)</p> 	<p>(Option 2) Donn® Grid Suspension System</p> 	

SPECIFICATION DETAILS

Halcyon™ Canopies Acoustical Ceiling meets the specifications in accordance with ASTM E1264.

Materials Classification

Type XII, Form 2, Pattern E & G

Substrate and Surface Finish

Fiberglass substrate laminated with factory applied painted fiberglass scrim

Thickness

Standard: 40mm, other thicknesses are available upon request

Panel Arrangements

Refer to the systems configurations table

Edge Detail Trim

Square encapsulated

Weight

40mm [4.2 kg/m²]

Noise Reduction Coefficient [NRC]

[1.0]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

Based on the finish color, up to 0.88

Color

Standard White similar to RAL 9016.

Other colors are available upon request

Surface Burning Characteristics as per

ASTM E84

Class A

Recycled Content

40%

Thermal Conductivity

$\lambda = 0.034 \text{ W/m}^{\circ}\text{K}$

Washability / Scrubbability as per ASTM

D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Maintenance

Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.

Additional Information

- USG Middle East's Halcyon™ Canopies are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.
- Panels must be ordered in multiples of two.
- Custom sizes rather than the system configuration table. Shape and color options are available upon request. Consult your USG Middle East sales office.



HALCYON™ CANOPIES



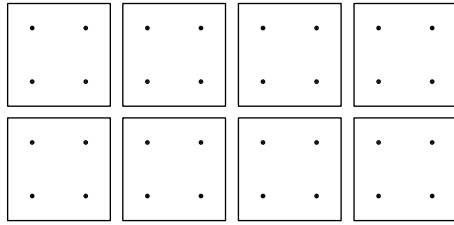
PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



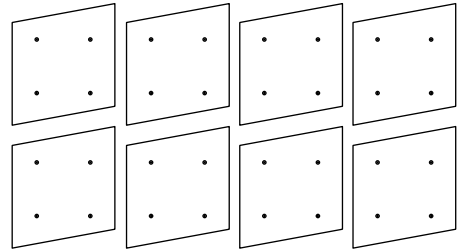
HIGH SOUND ABSORPTION

SYSTEMS CONFIGURATIONS*

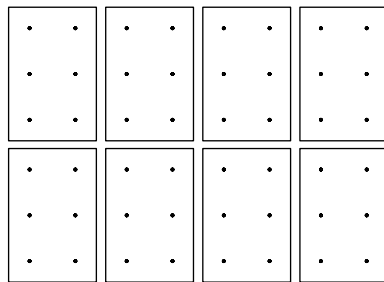
Square



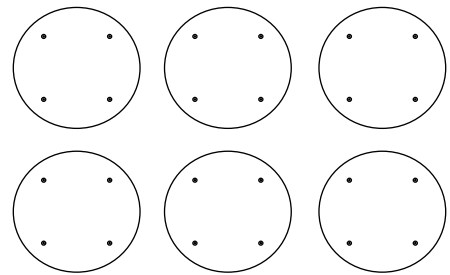
Parallelogram



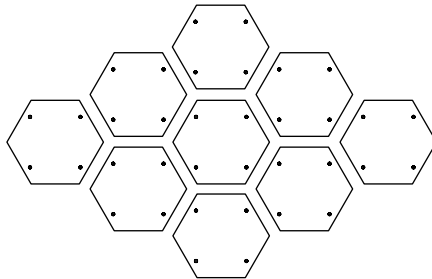
Rectangle



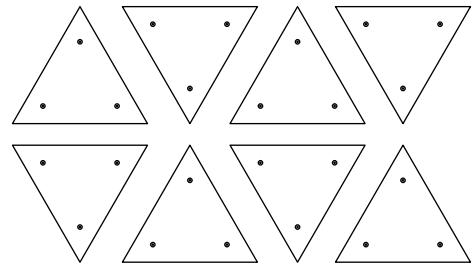
Circle



Hexagon



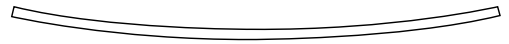
Triangle



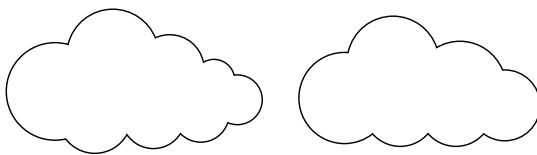
Arc Concave



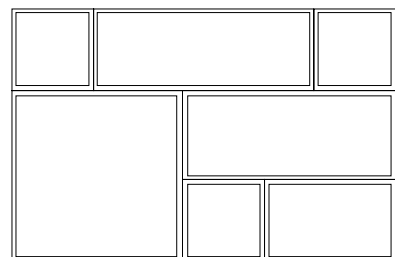
Arc Convex



Cloud



Box



HALCYON™ CANOPIES

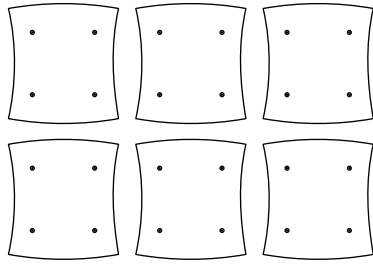


PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION

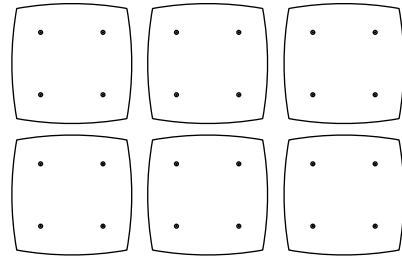


HIGH SOUND ABSORPTION

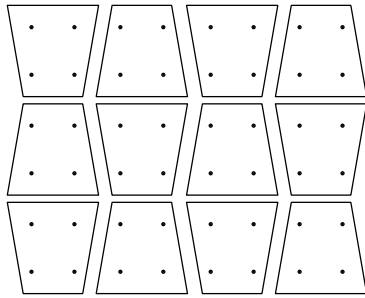
Curved Concave



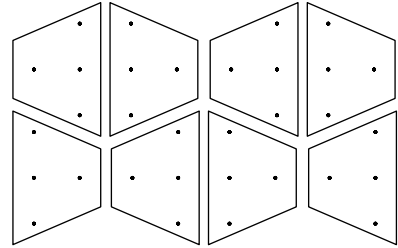
Curved Convex



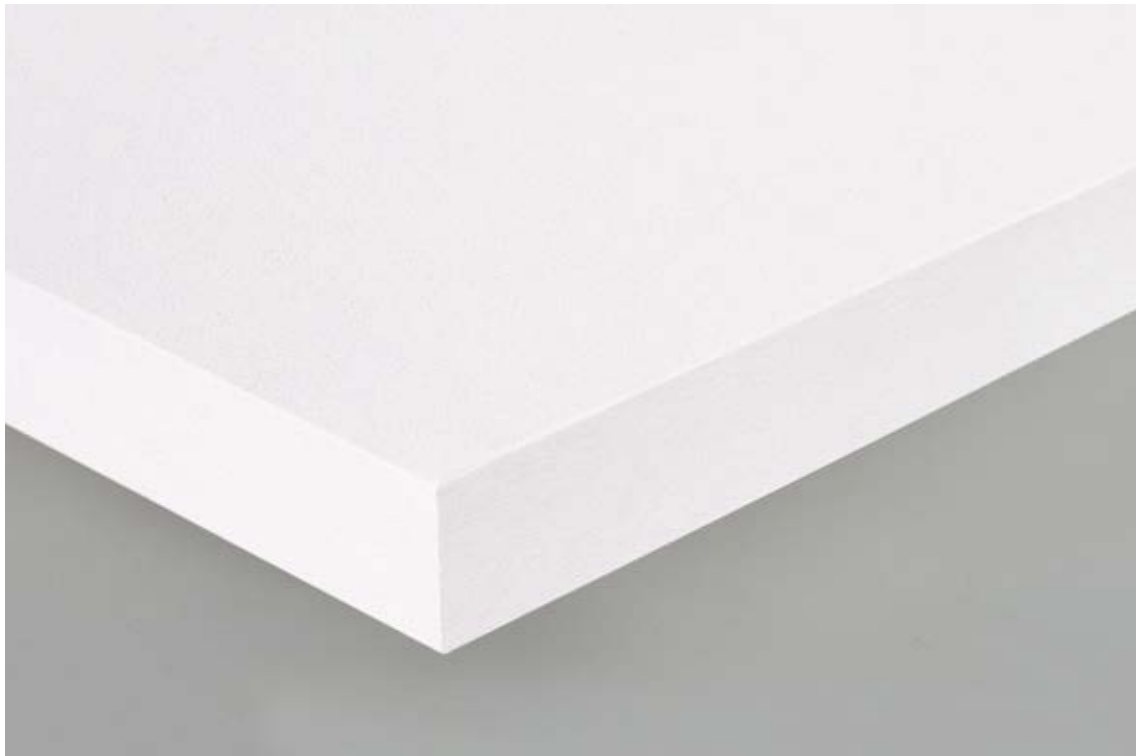
Trapezoid 1



Trapezoid 2

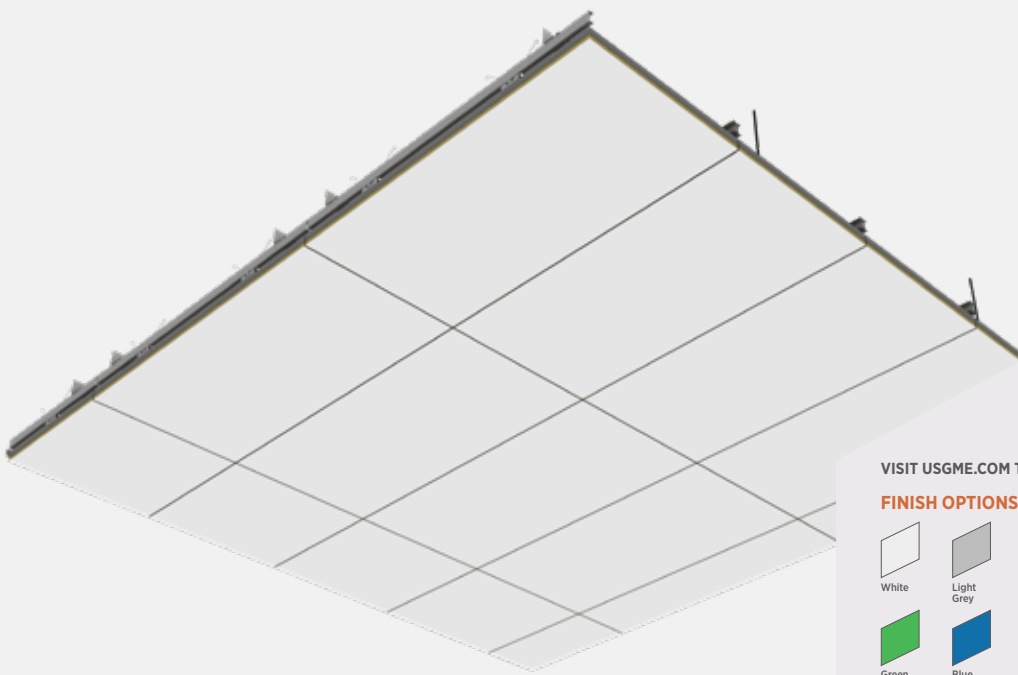


* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other shapes are available upon request.



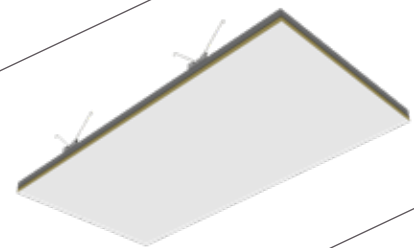
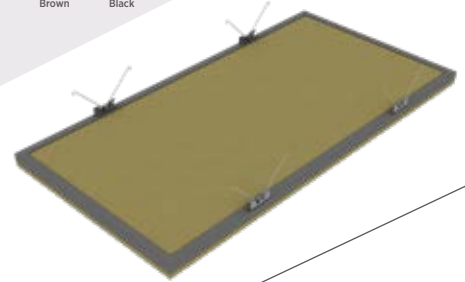
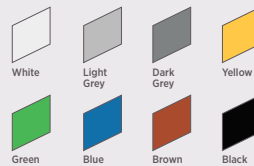
Halcyon™ Canopies Edge

TRANQUILLE



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FINISH OPTIONS



PANEL TOP

PANEL BOTTOM

FEATURES AND BENEFITS

- Made of Soft fiber panels and torsion spring hanging system.
- Excellent for critical lighting applications for High Light Reflectance (0.88).
- Excellent combination of noise reduction (up to NRC-1.0) and aesthetic appearance.
- Features a concealed suspension ceiling system with many design configurations that can fit any contemporary interior design.
- All panels are demountable allowing easy access to plenum for simple maintenance.
- Configurable panel sizes, shapes and layouts allowing for design freedom.

APPLICATIONS

- Airports
- Train stations
- Commercial spaces
- Offices
- Lounges
- Open halls
- Restaurants

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
40mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0

Sound Absorption

*Calculated to ASTM C 423-01

TRANQUILLE



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION

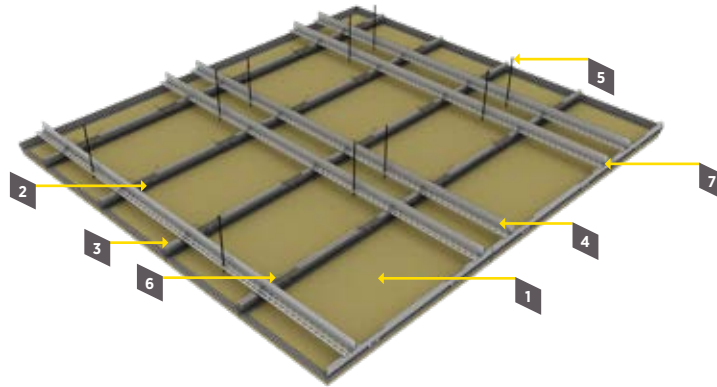


AVAILABLE IN CONCEALED EDGE

TRANQUILLE SYSTEM COMPONENTS

Tranquille Panel	Hanging Profile	Tranquille Bracket
Tranquille Channel	Hanging System	Spring

SYSTEM DRAWINGS



1 Tranquille panel 2 Tranquille Bracket 3 Tranquille Channel 4 Hanging Profile 5 Hanging system 6 Spring 7 Hex, Nuts & Washer 6mm

SPECIFICATION DETAILS

Tranquille meets the specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Form: 2,
Pattern: E, G

Substrate and Surface Finish

Mineralwool substrate laminated with factory applied painted fiberglass scrim

Thickness

40mm

Weight

3.5 kg/m²

Noise Reduction Coefficient [NRC]

[1.0]

Ceiling Attenuation Class [CAC]

[33 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

Standard: White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

$\lambda = 0.034 \text{ W/m}^{\circ}\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

Maintenance

Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.

Additional Information

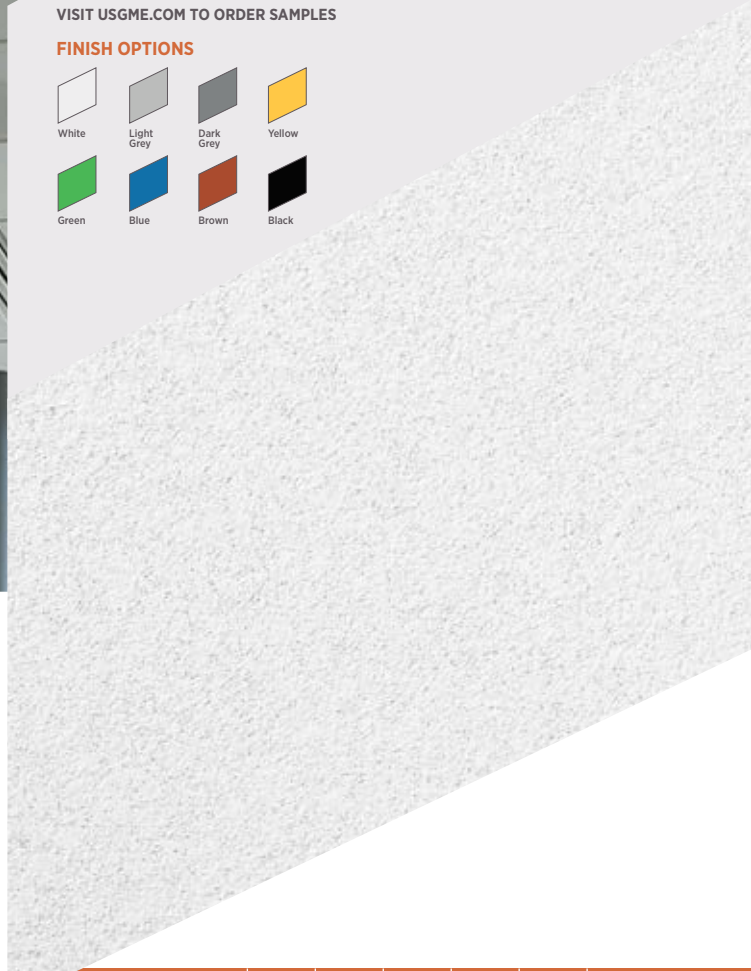
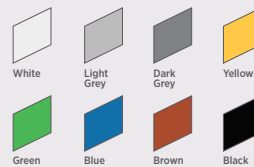
- USG Middle East's Tranquille panels are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 1-2mm. Local environmental conditions may increase this variance.
- Custom sizes and color options are available upon request. Consult your USG Middle East sales office.
- Take care during installation and handling of panels.
- Stone Wool substrate is available upon request. Consult your USG Middle East sales office.
- Different shapes as triangular, hexagonal, trapezoidal are available.

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FINISH OPTIONS



FEATURES & BENEFITS

- Fiberglass substrate with monolithic visual reduces installation time.
- Exceptional sound absorption with NRC values up to 1.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- High light reflectance (LR-0.88) reduces light fixture & energy use.
- Washable & scrubbable finish.
- Available in concealed edges D-Besk & S-Besk.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ integrated ceiling System.
- Available in black for ideal application in cinemas and theaters.

APPLICATIONS

- Open-plan areas
- Offices with indirect lighting
- Media rooms
- Receptions & lobby areas
- Libraries
- Convention halls and concourses
- Cinemas and theaters

Absorption Coefficient

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.50	0.90	1.0	0.90	0.95	0.90	0.95
25mm	0.40	0.90	1.0	0.95	1.0	1.0	1.0
38mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0

* Calculated to ASTM C 423-01

HALCYON™



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
SQ 	HC669	600*600*19	0.95	24	88%		Class A	40%	N/A	\$\$\$
	HC229	610*610*19								
	HC629	600*1200*19	0.95	24	88%		Class A	40%	N/A	\$\$\$
	HC249	610*1220*19								
	HC6625	600*600*25	1.0	25	88%		Class A	40%	N/A	\$\$\$
	HC2225	610*610*25								
	HC6638	600*600*38	1.0	31	88%		Class A	40%	N/A	\$\$\$
HC2238	610*610*38									
SL 	HCR669	600*600*19	0.95	25	88%		Class A	40%	N/A	\$\$\$
	HCR229	610*610*19								
	HCR629	600*1200*19	0.95	25	88%		Class A	40%	N/A	\$\$\$
	HCR249	610*1220*19								
	HCR6625	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$
	HCR2225	610*610*25								
	HCR6225	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$
HCR2425	610*1220*25									
FL 	HCRF669	600*600*19	0.95	25	88%		Class A	40%	N/A	\$\$\$
	HCRF229	610*610*19								
	HCRF629	600*1200*19	0.95	25	88%		Class A	40%	N/A	\$\$\$
	HCRF249	610*1220*19								
	HCRF6625	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$
	HCRF2225	610*610*25								
	HCRF6225	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$
HCRF2425	610*1220*25									
D-BESK 	HCRFDC669	600*600*19	0.90	28	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC629	600*1200*19	0.90	28	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC6625	600*600*25	0.95	30	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC6225	600*1200*25	0.95	30	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC6638	600*600*38	0.95	35	88%		Class A	40%	N/A	\$\$\$\$\$
	HCRFDC6238	600*1200*38	0.95	35	88%		Class A	40%	N/A	\$\$\$\$\$
S-BESK 	HCDSC6625	600*600*25	0.95	30	88%		Class A	40%	N/A	\$\$\$\$\$
	HCDSC6225	600*1200*25	0.95	30	88%		Class A	40%	N/A	\$\$\$\$\$

* To ASTM E84



HALCYON™



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



AVAILABLE IN CONCEALED EDGE

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge
DX/DXL D-BESK Edge	DX/DXL S-BESK Edge				

SPECIFICATION DETAILS

Halcyon™ Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XII,
Form: 2,
Pattern: E, G

Substrate and Surface Finish

Glasswool substrate laminated with factory applied painted fiberglass scrim

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]
Concealed [D-BESK, S-BESK]

Weight

Square

19mm [1.6 kg/m²],
25mm [2.1 kg/m²],
38mm [3.25 kg/m²]

Reveal [SL, FL]

19mm [2.0 kg/m²],
25mm [2.6 kg/m²],
38mm [4.0 kg/m²]

Concealed [D-BESK, S-BESK]

19mm [2.85 kg/m²],
25mm [3.75 kg/m²],
38mm [5.7 kg/m²]

Noise Reduction Coefficient [NRC]

[0.90] [0.95] [1.0]

Ceiling Attenuation Class [CAC]

[24 - 35 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

Standard: White similar to RAL 9016.
Other colors are available upon request

Surface Burning Characteristics as per ASTM E84 Class A

Thermal Conductivity

$\lambda = 0.034 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

HALCYON™ HEALTHCARE



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FINISH OPTIONS



White

FEATURES & BENEFITS

- Fiberglass substrate with water repellent facing membrane designed to be durable and safe with common disinfectants.
- Elegant and refined acoustical facing and high performance mineral fleece membrane on the backside.
- Exceptional sound absorption with NRC values up to 1.
- Certificated for Environmental Product Declaration (EPD) as per ISO 14025.
- High light reflectance (LR-0.88) reduces light fixture & energy use.
- Recommended to be used with CE grid for hospitals in high-humidity or wet-cleaned areas.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- Available in plank sizes compatible with Logix™ integrated ceiling system.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Laboratories
- Laundry areas
- ICU / NICU
- Pharmacies
- Lobbies
- Waiting areas
- Ware washing

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.45	0.85	1.0	0.75	0.80	0.75	0.85
19mm	0.50	0.90	1.0	0.90	0.95	0.90	0.95	
25mm	0.40	0.90	1.0	0.95	1.0	1.0	1.0	
38mm	0.60	0.90	1.0	1.0	1.0	1.0	1.0	

* Calculated to ASTM C 423-01

HALCYON™ HEALTHCARE



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION



HEALTHCARE APPLICATION

TABLE OF PERFORMANCE

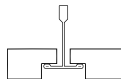
Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
SQ 	HC669-HC	600*600*19	0.95	24	88%		Class A	40%	N/A	\$\$\$\$
	HC229-HC	610*610*19								
	HC629-HC	600*1200*19	0.95	24	88%		Class A	40%	N/A	\$\$\$\$
	HC249-HC	610*1220*19								
	HC6625-HC	600*600*25	1.0	25	88%		Class A	40%	N/A	\$\$\$\$
	HC2225-HC	610*610*25								
	HC6225-HC	600*1200*25	1.0	25	88%		Class A	40%	N/A	\$\$\$\$
	HC2425-HC	610*1220*25								
	HC6638-HC	600*600*38	1.0	31	88%		Class A	40%	N/A	\$\$\$\$
	HC2238-HC	610*610*38								
	HC6238-HC	600*1220*38	1.0	31	88%		Class A	40%	N/A	\$\$\$\$
	HC2238-HC	610*1220*38								
FL 	HCRF6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2225-HC	610*610*25								
	HCRF6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCRF2425-HC	610*1220*25								
SL 	HCR6625-HC	600*600*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2225-HC	610*610*25								
	HCR6225-HC	600*1200*25	1.0	28	88%		Class A	40%	N/A	\$\$\$\$
	HCR2425-HC	610*1220*25								

* To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge	DXLT SQ Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge

DX/DXL-SL



SPECIFICATION DETAILS

Halcyon™ Healthcare Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XII,
Form: 2,
Pattern: E, G

Substrate and Surface Finish

Glasswool substrate laminated with factory applied painted fiberglass scrim and water repellent membrane

Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs

Thickness

19mm, 25mm, 38mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

Square
19mm [1.6 kg/m²],
25mm [2.1 kg/m²],
38mm [3.25 kg/m²]

Reveal [SL, FL]

25mm [2.6 kg/m²],
38mm [4.0 kg/m²]

Noise Reduction Coefficient [NRC]

[0.90] [0.95] [1.0]

Ceiling Attenuation Class [CAC]

[24 - 31 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Light Reflectance Coefficient [LR]

0.88

Color

White similar to RAL 9016.

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

λ = 0.034 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

HALCYON™ BLACK



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FEATURES & BENEFITS

- Fiberglass substrate with elegant and refined acoustical facing and high performance mineral fleece membrane on the backside. Planks are fully demountable, which reduces installation time.
- Light black tile for ideal application in cinemas and theaters.
- Exceptional sound absorption with NRC values up to 1 & high acoustic sound absorption performance at low frequencies, satisfying high-performance needs for cinema construction.
- Impact & scratch resistant.
- Available with aluminium foil back to increase sound attenuation class.

APPLICATIONS

- Cinemas and operating theatres
- Restaurants
- Convention halls and concourses
- Bowling alleys

Absorption Coefficient

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
19mm	0.50	0.90	1.0	0.90	0.95	0.90	0.95
25mm	0.40	0.90	1.0	0.95	1.0	1.0	1.0
38mm	0.60	0.90	1.0	1.0	1.0	1.0	1.05
40mm-AF**	0.40	0.70	0.85	1.0	1.0	1.0	0.90
50mm	0.60	0.75	0.90	1.0	1.0	1.0	0.95

* Calculated to ASTM C 423-01

** Aluminium Foil

HALCYON™ BLACK



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



HIGH SOUND ABSORPTION

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/ Sag Resistance	Fire Rating**	Recycled Content	VOC Emission	Cost
SQ 	HC669B	600*600*19	0.95	24	-		Class A	40%	N/A	\$\$\$
	HC229B	610*610*19								
	HC629B	600*1200*19	0.95	24	-		Class A	40%	N/A	\$\$\$
	HC249B	610*1220*19								
	HC6625B	600*600*25	1.0	25	-		Class A	40%	N/A	\$\$\$
	HC2225B	610*610*25								
	HC6238B	600*1200*38	1.0	31	-		Class A	40%	N/A	\$\$\$
	HC2438B	610*1220*38								
	HC6638B	600*600*38	1.0	31	-		Class A	40%	N/A	\$\$\$
	HC2238B	610*610*38								
	HCE6240B-AF*	600*1200*40	0.90	34	-		Class A	40%	N/A	\$\$\$\$
	HCE2440B-AF*	610*1220*40								
	HCE6640B-AF*	600*600*40	0.90	34	-		Class A	40%	N/A	\$\$\$\$
	HCE2240B-AF*	610*610*40								
	HCE6650B	600*600*50	0.95	32	-		Class A	40%	N/A	\$\$\$\$
HCE2250B	610*610*50									
HCE6250B	600*1200*50	0.95	32	-		Class A	40%	N/A	\$\$\$\$	
HCE2450B	610*1220*50									

* Aluminium Foil

**To ASTM E84

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge

SPECIFICATION DETAILS

Halcyon™ Black Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XII,
Form: 2,
Pattern: E, G

Substrate and Surface Finish

Glasswool substrate laminated with prepainted fiberglass scrim & backside thin fiberglass tissue or aluminium foil layer

Thickness

19mm, 25mm, 38mm, 40mm, 50mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square

Weight

19mm [1.6 kg/m²],
25mm [2.1 kg/m²],
38mm [4 kg/m²],
40mm [4.2 kg/m²],
50mm [5.25 kg/m²]

Noise Reduction Coefficient [NRC]

[0.90] [0.95] [1.0]

Ceiling Attenuation Class [CAC]

[24 - 34 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C

Color

Black Color similar to RAL 7021

Surface Burning Characteristics as per ASTM E84

Class A

Thermal Conductivity

$\lambda = 0.034 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

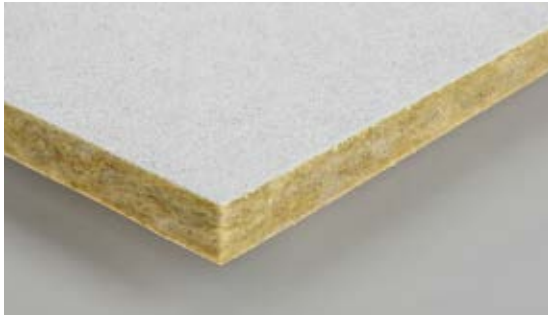
Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Relevant LEED® Credit

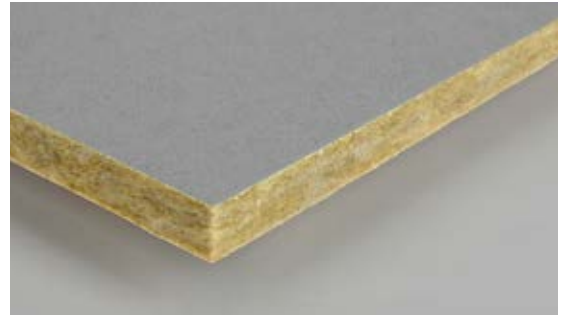
EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

SOFT FIBER CEILING FINISH OPTIONS

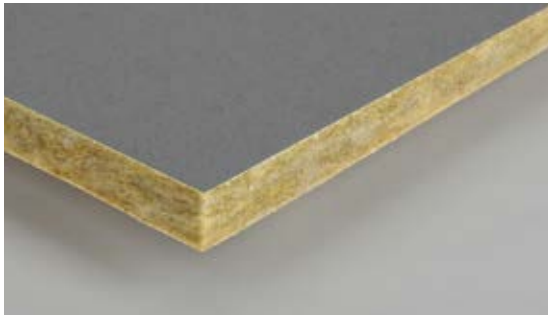
SOFT FIBER CEILING FINISH OPTIONS



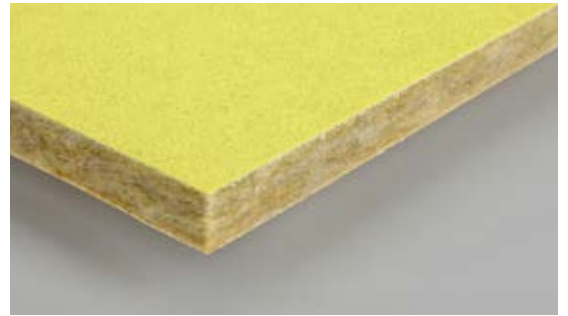
RAL9003



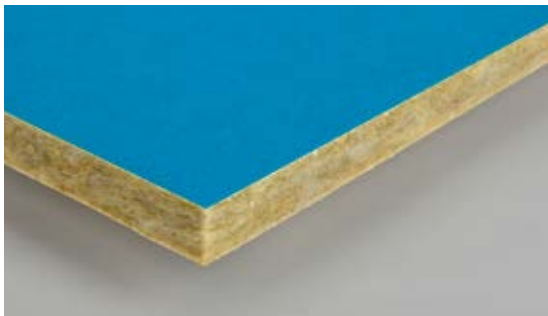
RAL9006



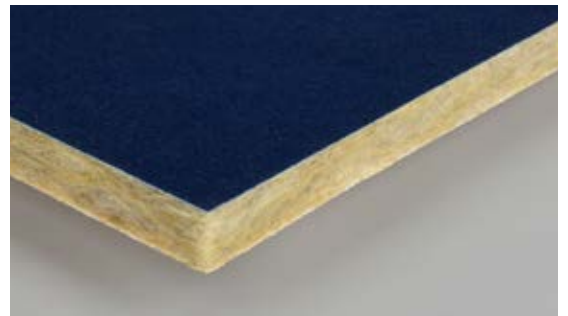
RAL7045



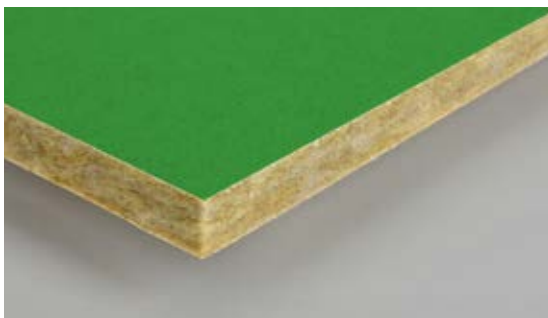
RAL1018



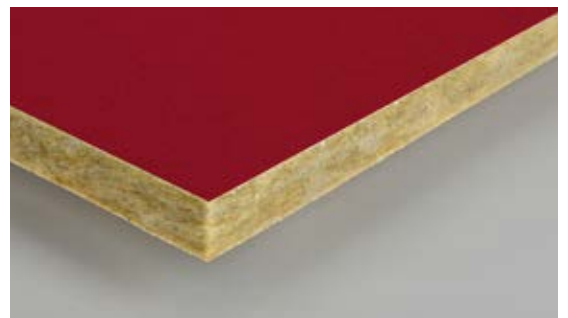
RAL5015



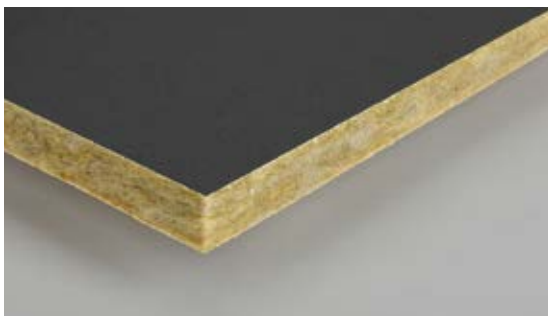
RAL5019



RAL6010



RAL3003



RAL7043



RAL7021



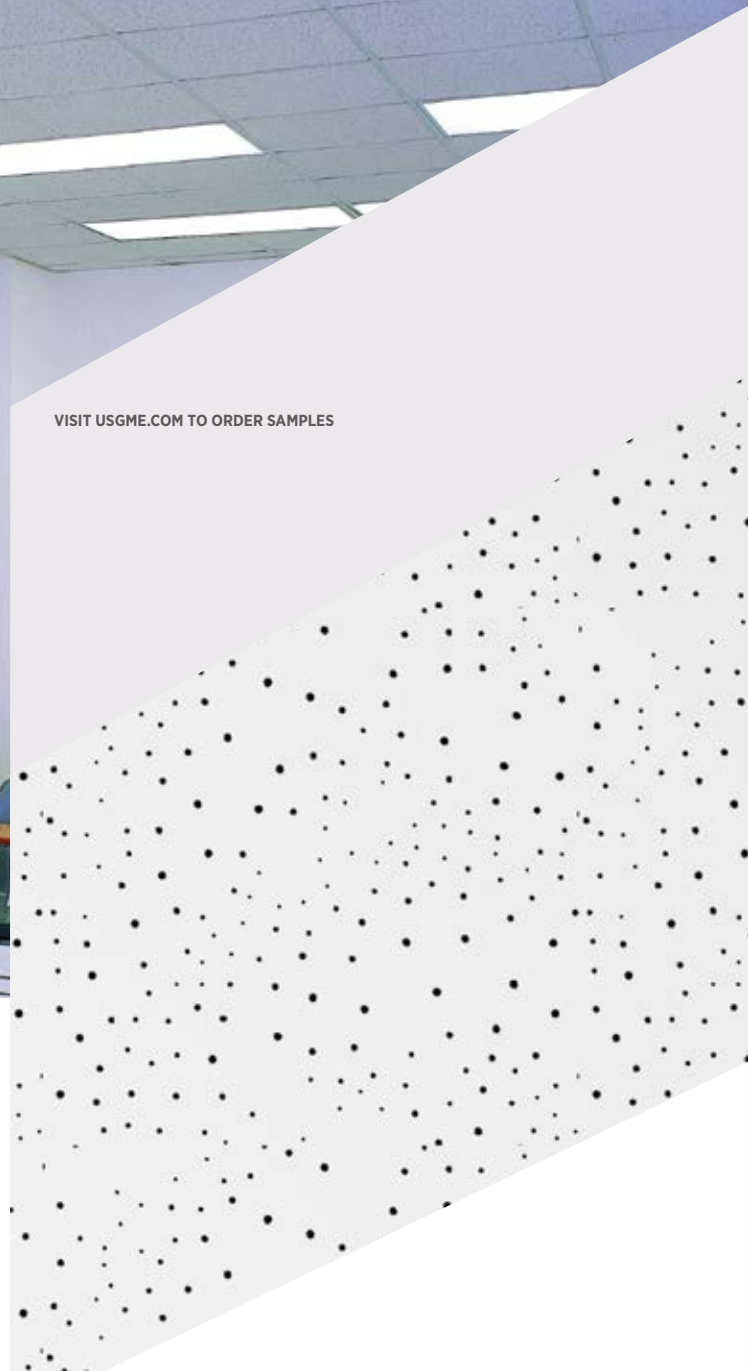
A photograph of a modern office interior. The ceiling is a white mineral fiber ceiling with recessed lighting strips and circular lights. The office has cubicles with light-colored walls and desks. A blue ergonomic chair is visible in the foreground. The image is overlaid with a white geometric shape containing the text.

MINERAL FIBER CEILING

ATHENA



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FEATURES & BENEFITS

- Accessible acoustical ceiling system with multiple random pin perforation panels.
- Perfect design solution for new-build or renovation projects.
- Available in semi-concealed and fully concealed tiles.
- Ideal for mid to high sound absorption & sound attenuation, which provides balance to room acoustics.
- Excellent for general commercial construction projects.
- Maximum cost-efficiency and design simplicity.
- Available in washable & hygienic paint upon request.
- Specially formulated in 16mm for high acoustic sound absorption specifications of the NRC 0.70.

APPLICATIONS

- Schools
- Corridors
- Lobby areas
- Offices
- Retail Stores

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	16mm	0.30	0.35	0.65	0.90	1.0	0.95	0.70
19mm HNRC	0.35	0.45	0.80	0.70	0.65	0.50	0.65	

*Calculated to ASTM C 423-01

ATHENA



EN 13964 - 2014 + A1 - 2007



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



AVAILABLE IN CONCEALED EDGE



HIGH RECYCLED CONTENT

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	ATX666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATX226	610*610*16								
	ATX626	600*1200*16	0.70	35	86%			68%	Low	\$\$\$
	ATX246	610*1220*16								
	ATXR666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATXR226	610*610*16								
	ATXRF666	600*600*16	0.70	35	86%			68%	Low	\$\$\$
	ATXRF226	610*610*16								
	ATCRFDC669-HNRC	600*600*19	0.65	40	86%			82%	Low	\$\$\$\$
	ATCC669-HNRC	600*600*19	0.65	40	86%			82%	Low	\$\$\$\$

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT/DXF FLB Edge	DXI FL Edge	DX/DXL D-BESK Edge
DX/DXL BESK Edge					

SPECIFICATION DETAILS

Athena Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

16mm, 19mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square,
Reveal [SLT, FLB],
Concealed [BESK, D-BESK]

Weight

16mm [5.45 kg/m², Firecode®],
19mm [6.45 kg/m², Firecode®],

Noise Reduction Coefficient [NRC]

[0.65] [0.70]

Ceiling Attenuation Class [CAC]

[35 - 40 dB]

Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.86

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Thermal Conductivity

λ = 0.05 W/m°K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

AURATONE DESIGNER SERIES



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FEATURES & BENEFITS

- Shallow geometric square face masks the grid for a uniform look to make it appear as part of the overall ceiling design.
- 360° non-directional pattern with a fresh, clean appearance offers fast, cost-effective installation
- Face scores create illusion of a smaller-scaled ceiling system.
- Available in 4 different face styles ranging from smooth to textured.
- Low to mid-range sound attenuation. Ideal for general commercial construction.
- Fire resistant system options for life safety & protection of property.
- Easy to trim and install.

APPLICATIONS

- Reception
- Shopping centers
- Waiting rooms
- Cafe and restaurants
- General offices
- Luxury retail stores

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	19mm QCFSR	0.45	0.40	0.50	0.70	0.70	0.60	0.60
	19mm QTPSR	0.35	0.40	0.65	0.85	0.85	0.70	0.70
	19mm QOLPCR	0.30	0.45	0.70	0.70	0.70	0.60	0.65
	19mm QRDSR	0.35	0.40	0.50	0.65	0.80	0.90	0.60

* Calculated to ASTM C 423-01

AURATONE DESIGNER SERIES



EN 13964 : 2014 + A1 : 2017



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

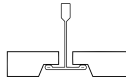
Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SLT 	QCFSR669	600*600*19	0.60	35	82%			25%	Low	\$\$\$
	QCFSR229	610*610*19								
	QTPSR669	600*600*19	0.70	35	84%			25%	Low	\$\$\$
	QTPSR229	610*610*19								
	QTCR669	600*600*19	0.15	35	84%			32%	Low	\$\$\$\$
	QTCR229	610*610*19								
	QTCR669 (36/15)	600*600*19	0.15	37	84%			32%	Low	\$\$\$\$
	QTCR229 (36/15)	610*610*19								
	QOLPCR669	600*600*19	0.65	37	85%			32%	Low	\$\$\$\$
	QOLPCR229	610*610*19								
QRDSR669	600*600*19	0.60	35	83%			32%	Low	\$\$\$	
QRDSR229	610*610*19									
QRDCR669	600*600*19	0.60	35	83%			32%	Low	\$\$\$\$	
QRDCR229	610*610*19									

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

GRID PROFILE OPTIONS

DX/DXL
SLT Edge



SPECIFICATION DETAILS

Auratone Designer Series
Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C, D, E, G, K

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

19mm

Size

600 x 600mm, 610 x 610mm

Edge Detail Trim

Reveal [SLT]

Weight

4.5 kg/m, Regular/ ClimaPlus™

Noise Reduction Coefficient [NRC]

[0.15] [0.60] [0.65] [0.70]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

Humidity Resistance

Maximum 90% RH / 30°C for ClimaPlus™

Light Reflectance Coefficient [LR]

[0.83 - 0.85]

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84 Class A

Reaction to Fire as per EN 13501-1 Euroclass A2-s1, d0

Thermal Conductivity

$\lambda = 0.057 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN1717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

CLEAN ROOM™



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Has an embossed, vinyl-laminated face with sealed back and edges for use in Class 100 (Clean Room™ Non-Perforated pattern cross-reference to Class 5 per ISO 14644-1). Clean Room™ Perforated pattern also for use in 10M-100M clean rooms for perforated pattern as per Federal standard 209E for Classification of Airborne particles.
- Available in multi perforation pin pattern for acoustic areas with high humidity; is also anti-mold and resists mildew growth.
- Made with Firecode™ base materials to meet life safety codes.
- Classified HRC panels (High Recycled Content), which is greater than 50%.
- Recommended to be used with CE grid (gasketed tee flanges) for hospitals laboratories and hospital general areas.
- Certified USDA bio based product requirements for food processing areas where Clean Room™ has achieved both bio-preferred initiatives: Federal Procurement Preference and Certified Product Labeling.
- Cleanroom classified, meets Federal Spec. 209E for non-perforated “Clean Room™ and workstation specifications in a controlled environment”.
- Washable, scrubbable resistance.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI & imaging rooms
- Food preparation
- Food storage
- Hydro-therapy rooms
- Laboratories
- Laundry areas
- Pharmacies
- Ware washing

NON-PERFORATED

PERFORATED

Frequency, Hz	125	250	500	1000	2000	4000	NRC***
15mm*	0.35	0.15	0.10	0.10	0.15	0.25	0.10
19mm**	0.35	0.40	0.65	0.60	0.55	0.50	0.55

Absorption Coefficient

*Non-perforated
 ** Perforated
 ***Calculated to ASTM C 423-01

CLEAN ROOM™



EN 13964 - 2014 + A1 - 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT



HEALTHCARE APPLICATION

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	CLX665	600*600*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX225	610*610*15								
	CLX625	600*1200*15	0.10	37	80%			52%	Low	\$\$\$\$
	CLX245	610*1220*15								
	CLX669	600*600*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX229	610*610*19								
	CLX629	600*1200*19	0.10	38	80%			52%	Low	\$\$\$\$
	CLX249	610*1220*19								
	CLXP669	600*600*19	0.55	38	79%			52%	Low	\$\$\$\$
	CLXP229	610*610*19								
CLXP629	600*1200*19	0.55	38	79%			52%	Low	\$\$\$\$	
CLXP249	610*1220*19									

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge

SPECIFICATION DETAILS

Clean Room™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: X,
Pattern: C, G, I

Substrate and Surface Finish

Mineral fiber substrates laminated with embossed vinyl-faced membrane and edges are sealed with water-based paint

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square

Weight

15mm [5.25 kg/m², Firecode®],
19mm [6.65 kg/m², Firecode®]

Noise Reduction Coefficient [NRC]

[0.10] [0.65]

Ceiling Attenuation Class [CAC]

[37 - 38 dB]

Clean Room Classification as per ISO

14644-1

ISO 5

Mold Prevention Application as per ASTM

D3273

Final rating at scale 10 as per ASTM D3273- 12 indicates that Clean room™ is resistant to Mold growth

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

[0.79] [0.80]

Color

White similar to RAL 9003

Surface Burning Characteristics as per

ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

3hrs Time-Rated Assembly [D218]

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

CROSS FISSURED



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FEATURES & BENEFITS

- Economical, all-purpose ceiling pattern available in various panel sizes.
- Directionally fissured panels are an excellent choice for large ceiling areas.
- Mid-range sound absorption and sound attenuation for a flexible office layout, making it ideal for schools, corridors, and general commercial stores where privacy is not an issue.
- Optional FIRECODE™ formulation designed to meet life safety codes.
- Meets the emission test criteria as low emitting per standards established by the Collaborative for High-Performance Schools (CHPS) and following ASTM D5116 testing method.

APPLICATIONS

- Education
- Corridors and hallways
- Mass merchandisers
- Convenience stores
- Mezzanine and basement
- Warehouse

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.40	0.35	0.40	0.55	0.70	0.75	0.50
19mm	0.45	0.40	0.50	0.70	0.70	0.60	0.60	

*Calculated to ASTM C 423-01

CROSS FISSURED



EN 13964 - 2014 + A1 - 2017



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	CFS665	600*600*15	0.50	35	82%			25%	Low	\$
	CFS225	610*610*15								
	CFC665	600*600*15	0.50	35	82%			32%	Low	\$
	CFC225	610*610*15								
	CFC625	600*1200*15	0.50	35	82%			32%	Low	\$
	CFC245	610*1220*15								
	CFX665	600*600*15	0.50	35	82%			56%	Low	\$
	CFX225	610*610*15								
	CFS669	600*600*19	0.60	37	82%			25%	Low	\$\$
	CFS229	610*610*19								
SLT 	CFSR665	600*600*15	0.50	35	82%			25%	Low	\$
	CFSR225	610*610*15								
	CFCR665	600*600*15	0.50	35	82%			25%	Low	\$\$
	CFCR225	610*610*15								
	CFXR665	600*600*15	0.50	35	82%			56%	Low	\$\$\$
	CFXR225	610*610*15								
	CFSR669	600*600*19	0.60	37	82%			25%	Low	\$\$
	CFSR229	610*610*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge

SPECIFICATION DETAILS

Cross Fissured Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C, D

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm, 600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT]

Weight

15mm [3.6 kg/m², Regular/ ClimaPlus™],
15mm [5.1 kg/m², Firecode®],
19mm [4.5 kg/m², Regular/ ClimaPlus™],
19mm [6.45 kg/m², Firecode®]

Noise Reduction Coefficient [NRC]

[0.50] [0.60]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

Humidity Resistance

Maximum 90% RH / 30°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.82

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84 Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

FAVIA



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Finest fissuring pattern among USG ME's product portfolio.
- Elegant non-directional pattern for a fresh, clean, and white appearance.
- Cost-effective series is ideal for retail business and general commercial stores.
- High light reflectance ceilings can reduce the number of light fixtures needed while maintaining good indoor environmental air quality.
- Durable and attractive micro-textured white surface for design freedom during installation.

APPLICATIONS

- Groceries
- Corridors and hallways
- Basements
- Administration offices
- Rest areas
- Cafeterias
- Warehouse

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	15mm	0.35	0.25	0.20	0.20	0.30	0.50	0.25

*Calculated to ASTM C 423-01

FAVIA



EN 13964 : 2014 + A1 : 2007



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	FNS665	600*600*15	0.25	35	85%			25%	Low	\$
	FNS225	610*610*15								
SLT 	FNSR665	600*600*15	0.25	35	85%			25%	Low	\$
	FNSR225	610*610*15								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge

SPECIFICATION DETAILS

Favia Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: D, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm

Size

600 x 600mm, 610 x 610mm

Edge Detail Trim

Square, Reveal [SLT]

Weight

3.6 kg/m², Regular/ ClimaPlus™

Noise Reduction Coefficient [NRC]

[0.25]

Ceiling Attenuation Class [CAC]

[35 dB]

Humidity Resistance

Maximum 95% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.85

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 | MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 | IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

FAVIA ACOUSTIC



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FEATURES & BENEFITS

- Micro-fissured non-directional pattern for a cleaner, whiter appearance.
- Elegant light-textured panels with high light reflectance.
- Mid-range sound absorption and sound attenuation which makes it ideal for schools, corridors, and general commercial stores.
- Meets the emission test criteria as low emitting per standards established by the Collaborative for High-Performance Schools (CHPS) and following ASTM D5116 testing method.

APPLICATIONS

- Education
- Corridors and hallways
- Grocery stores
- Administration offices
- Rest Area
- Warehouse

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	16mm HNRC	0.30	0.35	0.60	0.80	0.90	0.85	0.65
19mm	0.35	0.35	0.45	0.70	0.75	0.65	0.55	

*Calculated to ASTM C 423-01

FAVIA ACOUSTIC



EN 13964 : 2014 + A1 : 2017



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	FAS666	600*600*16	0.65	35	85%			25%	Low	\$\$\$
	FAS226	610*610*16								
	FAS669	600*600*19	0.55	37	85%			25%	Low	\$\$
	FAS229	610*610*19								
	FASR666	600*600*16	0.65	35	85%			25%	Low	\$\$\$
	FASR226	610*610*16								
	FASR669	600*600*19	0.55	37	85%			25%	Low	\$\$
	FASR229	610*610*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXLT-FLB

SPECIFICATION DETAILS

Favia Acoustic Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C, D, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness
16mm, 19mm

Size
600 x 600mm, 610 x 610mm

Edge Detail Trim
Square, Reveal [SLT]

Weight

16mm [3.6 kg/m², Regular/ ClimaPlus™],
19mm [4.5 kg/m², Regular/ ClimaPlus™]

Noise Reduction Coefficient [NRC]

[0.55] [0.65]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Mold Prevention Application as per ASTM D3273

Application available upon request per ASTM D3273-1, Rate 10 per D3274

Humidity Resistance

Maximum 90% RH / 40°C

Light Reflectance Coefficient [LR]

0.85

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84 Class A

Reaction to Fire as per EN 13501-1
Euroclass A2-s1, d0

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

GLACIER™



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Heavily textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Zero VOC emissions exceeds CA Specification 01350.
- Optional Firecode® product designed to meet life-safety codes.
- Integral color masks nicks and scratches and enhances lifetime panel appearance.
- HRC (High Recycled Content) to help maximize contribution to LEED® recycled content.
- All panels are backed with paper, which acts as a sound barrier and resists air filtration for cleaner panels.

APPLICATIONS

- Libraries
- Restaurant
- Hospitality
- Airport

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	19mm	0.36	0.26	0.55	0.99	1.02	1.02	0.65

*Calculated to ASTM C 423-01

GLACIER™



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
FL	708 Paper Back	610*610*19	0.65	35	70%	Green	Red	73%	Zero	\$\$\$
SL	715 Paper Back	610*610*19	0.65	35	70%	Green	Red	72%	Zero	\$\$\$

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Glacier™ Acoustical Ceiling meets specifications in accordance with ASTM E1264.

Materials Classification

Type: III,
Form: 4,
Pattern: F

Substrate and Surface Finish

Cast mineral fiber with factory applied finish paint

Thickness

19mm

Size

610 x 610mm

Edge Detail Trim

Reveal [SL, FL]

Weight

7 kg/m² [Class A],
7.5 kg/m² [Firecode®]

Noise Reduction Coefficient [NRC]

[0.65]

Ceiling Attenuation Class [CAC]

[35 dB]

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.70

Color

White, available in various Color upon request

Surface Burning Characteristics as per ASTM E84

Class A

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [G228]

Thermal Resistance

R 1.7 [Class A],
R 1.3 [Firecode®]

VOC Class

Greenguard Gold. Zero emission per CHPS collaborative for High-Performance Schools

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

LOGIX™

MINERAL FIBER | SOFT FIBER | METAL



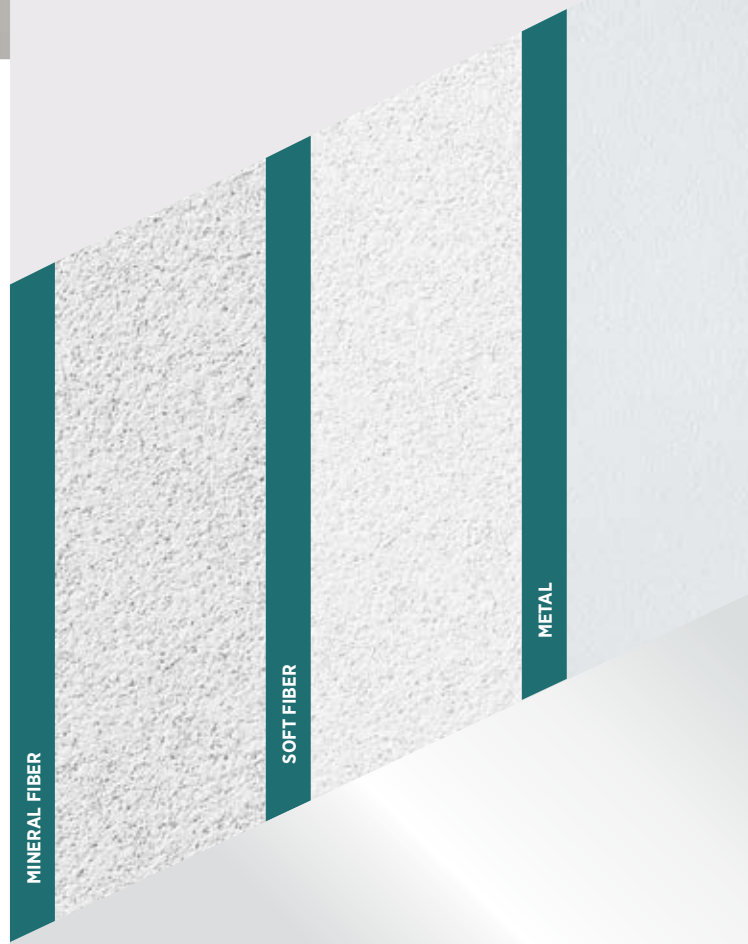
VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Turn your ceiling lighting and utilities into stunning design features with the Logix™ ceiling system.
- Monolithic, structured ceiling visual using standard components, available in Mineral Fiber, Soft Fiber and Metal.
- Designed to be compatible with a wide selection of 150mm, 200mm, 250mm and 300mm utilities and in various module sizes.
- Exceptional sound absorption with NRC values up to 1.0, based on the ceilings' substrate material.
- High light-reflective finish reduces light fixture and energy use.
- Washable & scrubbable finish.
- Impact & scratch resistant.
- The Logix™ system is available in different configurations. Refer to our "How To Plan Logix™ System".

APPLICATIONS

- Open-plan offices
- Space with indirect lighting or natural lighting
- Conference rooms
- Media centers and libraries
- Receptions & lobby areas
- Airport



MINERAL FIBER

SOFT FIBER

METAL



HOW TO PLAN LOGIX™ SYSTEM



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE

1. UTILITY CHANNEL CONFIGURATION

Continuous	Fixed	Separated	Crosscut

2. SYSTEM SUMMARY

Utility Channel Width*	150mm, 200mm, 250mm, 300mm
Channel Module Spacing (Channel-to-Channel)*	1200mm, 1300mm, 1350mm, 1500mm
Ceiling Module Dimension	1.25m, 1.5m, 1.75m ceiling module

3. GRID PROFILE

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge	DXI FL Edge

4. INFILL PANEL EDGE PROFILE

Square	FL	SL	FLB

5. INFILL PANEL SPECIFICATION

Mineral Fiber	Soft Fiber	Metal

6. CHANNEL PANEL SPECIFICATION

Mineral Fiber	Soft Fiber	Metal

7. CHANNEL PANEL EDGE PROFILE

Square	FL	SL	FLB

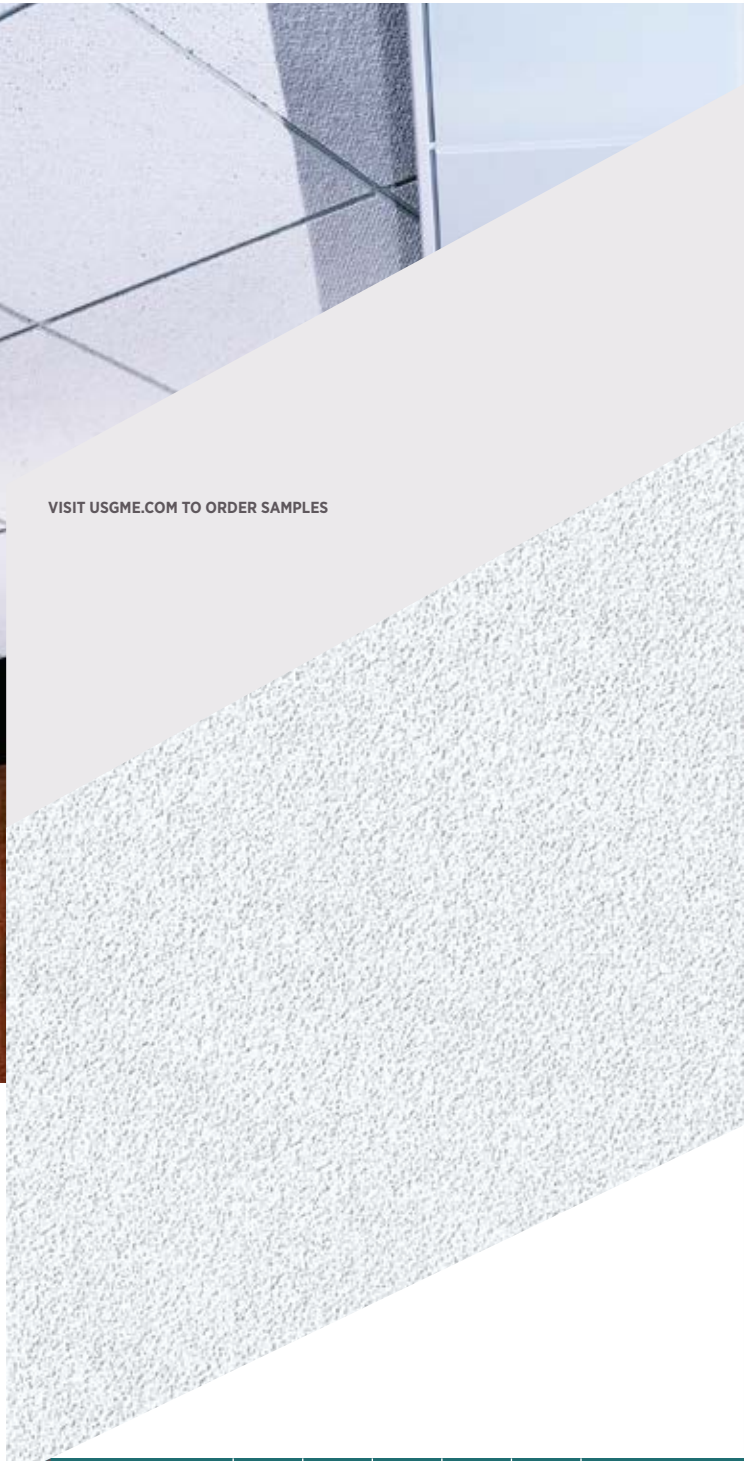
* Refer to USG Middle East technical team for size limitations and custom options



OLYMPIA™



VISIT USGME.COM TO ORDER SAMPLES



FEATURES & BENEFITS

- Finely granulated surface texture.
- High light reflectance finish (up to LR-0.88) reduces wear and tear on light fixtures and energy use.
- Economical, non-directional pattern reduces installation time and waste.
- Fire resistant system options for life safety and protection of property.
- Available also in ClimaPlus™ formulation for 99% humidity resistance and various plank sizes.
- Available in Pedestal edge for 19mm thickness.

APPLICATIONS

- Reception
- Commercial stores
- Libraries
- Banks
- Fitness rooms
- Corridors/stairwell
- Waiting area
- Nursery
- Retail stores

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.35	0.25	0.15	0.15	0.20	0.30	0.15

*Calculated to ASTM C 423-01



EN 13964 - 2014 - A1 - 2007



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost	
SQ 	OLS665	600*600*15	0.15	33	86%			25%	Low	\$	
	OLS225	610*610*15									
	OLC665	600*600*15	0.15	33	88%			39%	Low	\$	
	OLC225	610*610*15									
	OLC625	600*1200*15	0.15	33	88%			39%	Low	\$	
	OLC245	610*1220*15									
	OLX665	600*600*15	0.15	35	86%			56%	Low	\$\$	
	OLX225	610*610*15									
	PLANKS	OLC325	300*1200*15	0.15	33	88%			39%	Low	\$\$\$
		OLC145	310*1220*15								
		OLS669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
		OLS229	610*610*19								
	PLANKS	OLC669	600*600*19	0.15	37	88%			39%	Low	\$\$\$
		OLC229	610*610*19								
OLC359		300*1500*19	0.15	37	88%			39%	Low	\$\$\$\$	
OLC159		310*1520*19									
SLT 	OLSR665	600*600*15	0.15	33	86%			25%	Low	\$	
	OLSR225	610*610*15									
	OLCR665	600*600*15	0.15	33	88%			39%	Low	\$	
	OLCR225	610*610*15									
	PLANKS	OLCR325	300*1200*15	0.15	33	88%			39%	Low	\$\$\$
		OLCR145	310*1220*15								
	OLSR669	600*600*19	0.15	37	86%			25%	Low	\$\$\$	
	OLSR229	610*610*19									
	OLC629	600*1200*19	0.15	37	88%			39%	Low	\$\$\$	
	OLC249	610*1220*19									
	OLCR629	600*1200*19	0.15	37	88%			39%	Low	\$\$\$	
	OLCR245	610*1220*19									
FLB 	OLSRF665	600*600*15	0.15	33	86%			25%	Low	\$	
	OLSRF225	610*610*15									
	OLCRF665	600*600*15	0.15	33	88%			39%	Low	\$	
	OLCRF225	610*610*15									
	PLANKS	OLCRF325	300*1200*15	0.15	33	88%			39%	Low	\$\$\$
		OLCRF145	310*1220*15								
	OLSRF669	600*600*19	0.15	37	86%			25%	Low	\$\$\$	
	OLSRF229	610*610*19									
	OLXR629	600*1200*19	0.15	37	86%			56%	Low	\$\$\$	
	OLXR249	610*1220*19									
OLCRF629	600*1200*19	0.15	37	88%			39%	Low	\$\$\$		
OLCRF249	610*1220*19										
PEDESTAL 	DPIOLCRI669	600*600*19	0.15	37	88%			39%	Low	\$\$\$	
	DPIOLCRI229	610*610*19									
	DP4OLCRI669	600*600*19	0.15	37	88%			39%	Low	\$\$\$	
	DP4OLCRI229	610*610*19									

High Recycled Content
 Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.
For firechief products.





EN 13964 : 2014 + A1 : 2007



GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge	DXT PEDESTAL

SPECIFICATION DETAILS

Olympia™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm, 19mm

Size

300 x 1200mm, 310 x 1220mm,
300 x 1500mm, 310 x 1520mm,
600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square,
Reveal [SLT, FLB, Pedestal]

Weight

15mm [3.6 kg/m², Regular/ ClimaPlus™],
15mm [5.1 kg/m², Firecode®],
19mm [4.5 kg/m², Regular/ ClimaPlus™],
19mm [6.45 kg/m², Firecode®]

Noise Reduction Coefficient [NRC]

[0.15]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.86-0.88

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

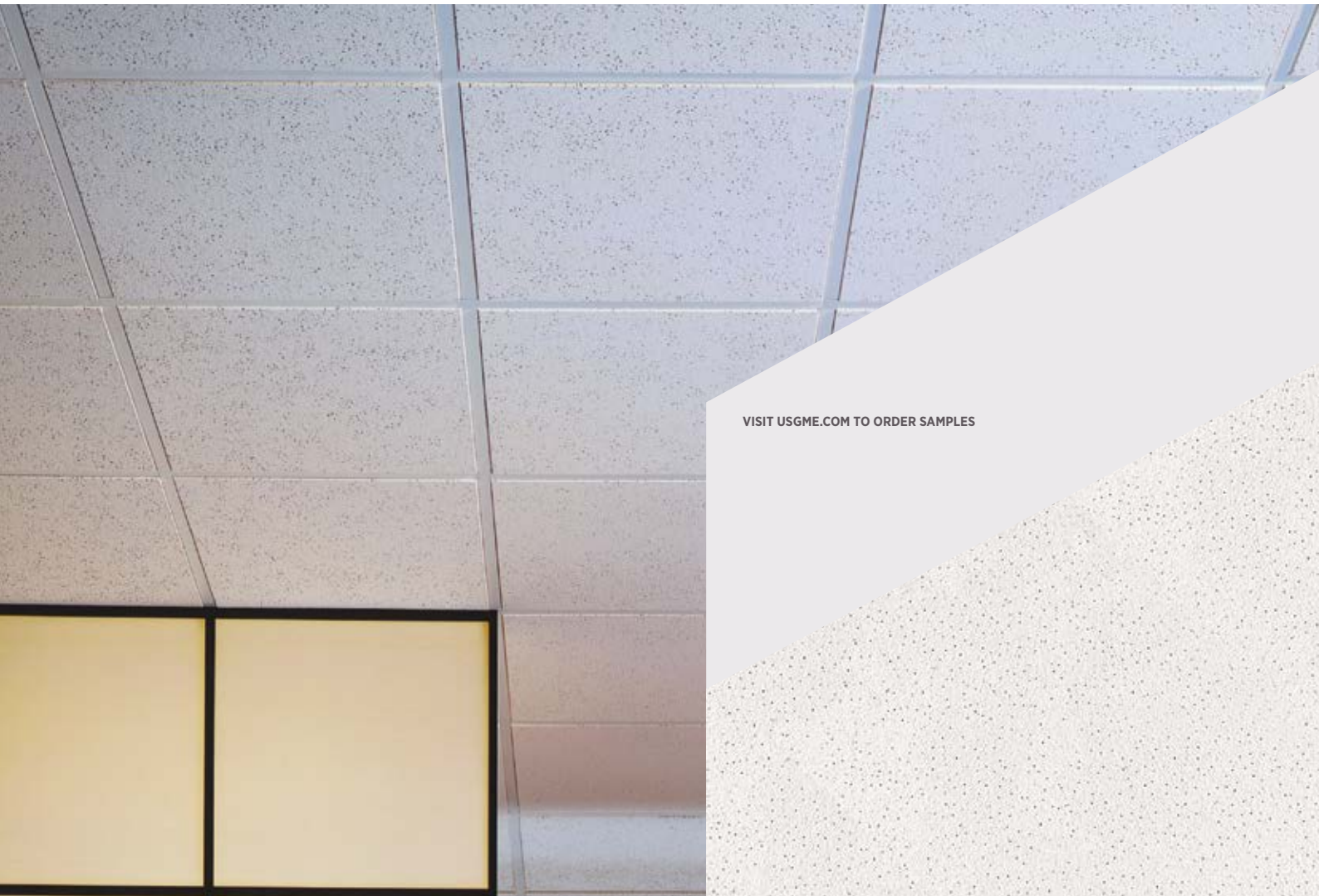
Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

OLYMPIA MICRO™



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.70) and sound attenuation (up to CAC-37).
- Excellent for critical lighting applications that require High Light Reflectance (0.88).
- High Humidity Resistance up to RH-99%.
- Light granulated surface texture with virtually invisible micro-perforation for a smoother look than standard perforations. Improves sound absorption. Reduces light fixture & energy usage.
- Fire resistant system options for life safety and protection of property.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Ideal solutions for classroom and educational facilities.
- Upon request, panel faces and back surfaces are treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits mold growth.

APPLICATIONS

- Classrooms
- Libraries
- Corridors and stairwell
- Reception and lobby areas
- Restaurant and cafe
- Sports hall
- General offices
- Shopping centers

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.35	0.35	0.50	0.65	0.60	0.50	0.55
19mm	0.30	0.45	0.70	0.70	0.70	0.60	0.65	
19mm HNRC	0.45	0.50	0.75	0.85	0.80	0.65	0.70	

*Calculated to ASTM C 423-01

OLYMPIA MICRO™



EN 13964 - 2014 + A1:2007
TABLE OF PERFORMANCE



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



AVAILABLE IN CONCEALED EDGE



HIGH RECYCLED CONTENT

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	OLPS665	600*600*15	0.55	35	88%			25%	Low	\$
	OLPS225	610*610*15								
	OLPC665	600*600*15	0.55	35	88%			39%	Low	\$
	OLPC225	610*610*15								
	OLPC625	600*1200*15	0.55	35	88%			39%	Low	\$
	OLPC245	610*1220*15								
	OLPX665	600*600*15	0.55	36	88%			56%	Low	\$\$
	OLPX225	610*610*15								
	OLPX625	600*1200*15	0.55	36	88%			56%	Low	\$\$
	OLPX245	610*1220*15								
	OLPC325	300*1200*15	0.55	35	88%			39%	Low	\$\$
	OLPC145	310*1220*15								
	OLPC669-HNRC	600*600*19	0.70	37	88%			82%	Low	\$\$\$
	OLPC229-HNRC	610*610*19								
	OLPS669	600*600*19	0.65	37	88%			25%	Low	\$\$
	OLPS229	610*610*19								
OLPC329	300*1200*19	0.65	37	88%			39%	Low	\$\$	
OLPC349	310*1220*19									
OLPC629-HNRC	600*1200*19	0.70	37	88%			82%	Low	\$\$\$	
OLPC249-HNRC	610*1220*19									
SLT 	OLPSR665	600*600*15	0.55	35	88%			25%	Low	\$
	OLPSR225	610*610*15								
	OLPCR665	600*600*15	0.55	35	88%			39%	Low	\$
	OLPCR225	610*610*15								
	OLPSR669	600*600*19	0.65	37	88%			25%	Low	\$\$
	OLPSR229	610*610*19								
	OLPCR669-HNRC	600*600*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCR229-HNRC	610*610*19								
	OLPXR629	600*1200*19	0.65	37	88%			56%	Low	\$\$\$
	OLPXR249	610*1220*19								
OLPCR629-HNRC	600*1200*19	0.07	37	88%			82%	Low	\$\$\$	
OLPCR249-HNRC	610*1220*19									
FLB 	OLPSRF665	600*600*15	0.55	35	88%			25%	Low	\$
	OLPSRF225	610*610*15								
	OLPCRF665	600*600*15	0.55	35	88%			39%	Low	\$\$
	OLPCRF225	610*610*15								
	OLPCRF325	300*1200*15	0.55	35	88%			39%	Low	\$\$
	OLPCRF145	310*1220*15								
	OLPSRF669	600*600*19	0.65	37	88%			25%	Low	\$\$
	OLPSRF229	610*610*19								
	OLPCRF669-HNRC	600*600*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCRF229-HNRC	610*610*19								
	OLPCRF629-HNRC	600*1200*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCRF249-HNRC	610*1220*19								
OLPCRF329	300*1200*19	0.65	37	88%			39%	Low	\$\$\$	
OLPCRF349	310*1220*19									
BESK 	OLPXC665	600*600*15	0.55	36	88%			56%	Low	\$\$\$\$
	OLPXC625	600*1200*15	0.55	36	88%			56%	Low	\$\$\$\$
	OLPXC669	600*600*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXC629	600*1200*19	0.65	37	88%			56%	Low	\$\$\$\$
D-BESK 	OLPXRFD325	300*1200*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD355	300*1500*15	0.55	35	88%			56%	Low	\$\$\$\$



OLYMPIA MICRO™



EN 13964 : 2014 + A1 : 2007
TABLE OF PERFORMANCE



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



AVAILABLE IN CONCEALED EDGE



HIGH RECYCLED CONTENT

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	OLPXRFD385	300*1800*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD625	600*1200*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD655	600*1500*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD685	600*1800*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD329	300*1200*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD359	300*1500*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD389	300*1800*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD629	600*1200*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD659	600*1500*19	0.65	37	88%			56%	Low	\$\$\$\$
OLPXRFD689	600*1800*19	0.65	37	88%			56%	Low	\$\$\$\$	

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines. **For firechief products.**

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge	DXI FLB Edge
DX/DXL BESK Edge	DX/DXL D-BESK Edge				

SPECIFICATION DETAILS

Olympia Micro™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm, 19mm

Size

300 x 1200mm, 310 x 1220mm,
300 x 1500mm, 310 x 1520mm,
300 x 1800mm, 310 x 1830mm,
600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm,
600 x 1500mm, 610 x 1520mm,
600 x 1800mm, 610 x 1830mm

Edge Detail Trim

Square, Reveal [SLT, FLB],
Concealed [BESK, D-BESK]

Weight

15mm [3.6 kg/m², Regular/ ClimaPlus™],
15mm [5.1 kg/m², Firecode®],
19mm [4.5 kg/m², Regular/ ClimaPlus™],
19mm [6.45 kg/m², Firecode®]

Noise Reduction Coefficient [NRC]

[0.55] [0.65] [0.70]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.88

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

OMNI



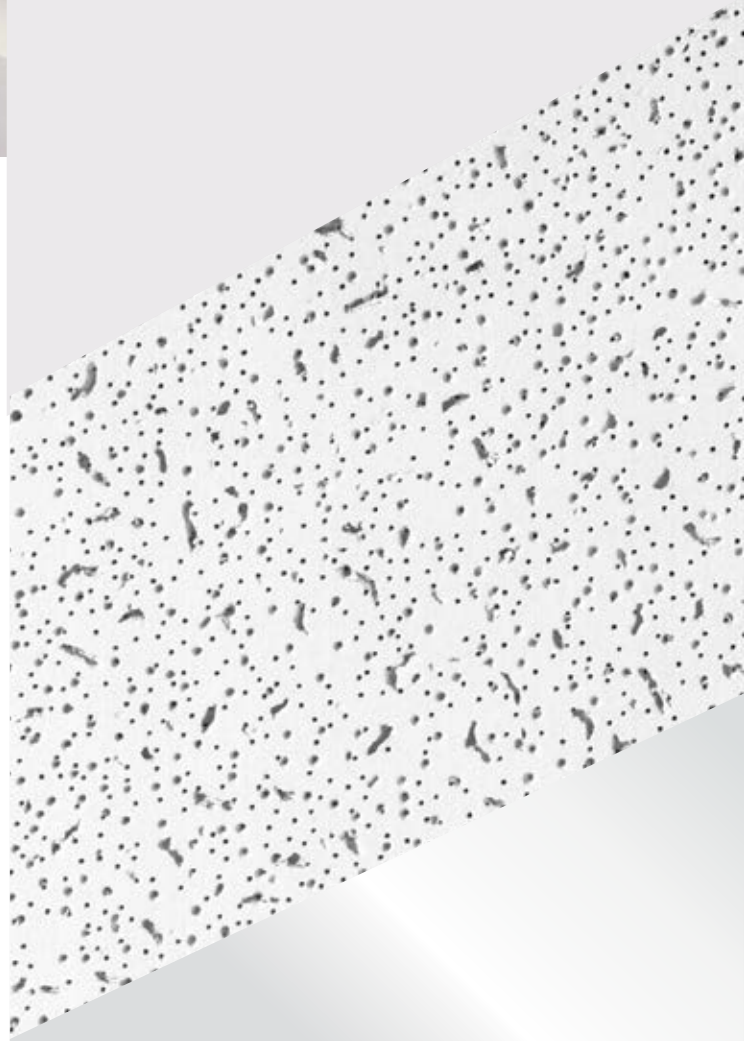
VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Medium-textured panels feature a unique, non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Mid-range sound absorption and sound attenuation, which make it ideal for general commercial stores.
- Is a cost-effective solution with a wide variety of panel options for various applications.
- Optional Firecode™ formulation designed to meet life safety codes.
- Available in washable paint for easy maintenance (use soft brush or vacuum to clean surface).

APPLICATIONS

- Stores
- Corridors and hallways
- Warehouses
- Mechanical rooms
- Stairways and elevator shafts
- Basement



OMNI



EN 13964 - 2014 + A1 - 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	OMS665	600*600*15	0.50	35	82%			25%	Low	\$
	OMS225	610*610*15								
	OMC625	600*1200*15	0.50	35	82%			39%	Low	\$
	OMC245	610*1220*15								
	OMX665	600*600*15	0.50	35	82%			56%	Low	\$\$
	OMX225	610*610*15								
	OMS669	600*600*19	0.60	37	82%			25%	Low	\$\$
	OMS229	610*610*19								
SLT 	OMSR665	600*600*15	0.60	37	82%			25%	Low	\$\$
	OMSR225	610*610*15								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines. **For firechief products.**

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge

SPECIFICATION DETAILS

Omni Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C, D, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT]

Weight

15mm [3.6 kg/m², Regular/ ClimaPlus™],
15mm [5.1 kg/m², Firecode®],
19mm [4.5 kg/m², Regular/ ClimaPlus™],
19mm [6.45 kg/m², Firecode®]

Noise Reduction Coefficient [NRC]

[0.50], [0.60]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Humidity Resistance

Maximum 95% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.82

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.057 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN1717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9



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FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC provides balance to room acoustics and sound attenuation; ideal for general commercial construction.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Cost-effective all-purpose ceiling pattern solution offered in many sizes and edge details.
- Fire resistant system options for life safety and protection of property.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Available in 22mm for High NRC & High CAC panels.
- Also available in washable paint and various plank sizes.

APPLICATIONS

- Education
- Corridors
- Cafeterias
- Libraries
- Open office plans
- Retail stores
- Basement



Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	12mm	0.30	0.30	0.40	0.55	0.75	0.85	0.50
15mm	0.40	0.35	0.45	0.60	0.70	0.70	0.50	
19mm	0.30	0.35	0.55	0.75	0.75	0.65	0.60	
19mm HNRC	0.25	0.35	0.65	0.85	0.90	0.90	0.70	
22mm	0.35	0.50	0.75	0.95	1.0	0.90	0.80	

* Calculated to ASTM C 423-01



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	RDS662	600*600*12	0.50	35	85%			25%	Low	\$
	RDS222	610*610*12								
	RDS665	600*600*15	0.50	36	85%			25%	Low	\$
	RDS225	610*610*15								
	RDC665	600*600*15	0.50	36	85%			39%	Low	\$
	RDC225	610*610*15								
	RDX665	600*600*15	0.50	37	85%			56%	Low	\$\$
	RDX225	610*610*15								
	RDX625	600*1200*15	0.50	37	85%			56%	Low	\$\$
	RDX245	610*1220*15								
	RDX669	600*600*19	0.60	40	85%			56%	Low	\$\$
	RDX229	610*610*19								
	RDC325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDC145	310*1220*15								
	RDS669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDS229	610*610*19								
RDC669-HNRC	600*600*19	0.70	40	85%			82%	Low	\$\$\$	
RDC229-HNRC	610*610*19									
RDC329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$	
RDC149	310*1220*19									
RDC669	600*600*19	0.60	40	85%			39%	Low	\$\$\$	
RDC229	610*610*19									
RDC6622	600*600*22	0.80	39	85%			39%	Low	\$\$\$\$	
RDC2222	610*610*22									
SLT 	RDSR665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSR225	610*610*15								
	RDCR665	600*600*15	0.50	36	85%			39%	Low	\$
	RDCR225	610*610*15								
	RDXR669	600*1200*19	0.60	40	85%			56%	Low	\$\$
	RDXR229	610*1220*19								
	RDCR325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDCR145	310*1220*15								
	RDSR669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDSR229	610*610*19								
	RDCR669-HNRC	600*600*19	0.70	40	85%			82%	Low	\$\$\$
	RDCR229-HNRC	610*610*19								
	RDCR329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
	RDCR149	310*1220*19								
	RDCR669	600*600*19	0.60	40	85%			39%	Low	\$\$\$
	RDCR229	610*610*19								
RDCR6622	600*600*22	0.80	39	85%			39%	Low	\$\$\$\$	
RDCR2222	610*610*22									
FLB 	RDSRF665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSRF225	610*610*15								
	RDCRF665	600*600*15	0.50	36	85%			39%	Low	\$
	RDCRF225	610*610*15								
	RDCRF325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDCRF145	310*1220*15								
	RDCRF329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
	RDCRF149	310*1220*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.





EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

SPECIFICATION DETAILS

Radar™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C,D, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

12mm, 15mm, 19mm, 22mm

Size

300 x 1200mm, 310 x 1220mm,
600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

12mm [2.85 kg/m², Regular/ ClimaPlus™],
15mm [3.6 kg/m², Regular/ ClimaPlus™],
15mm [5.1 kg/m², Firecode®],
19mm [4.5 kg/m², Regular/ ClimaPlus™],
19mm [6.45 kg/m², Firecode®],
22mm [5.25 kg/m², Regular/ ClimaPlus™]

Noise Reduction Coefficient [NRC]

[0.50] [0.60] [0.70] [0.80]

Ceiling Attenuation Class [CAC]

[35 - 40 dB]

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.85

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.057 W/m²K

VOC Class

Greenguard Gold

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

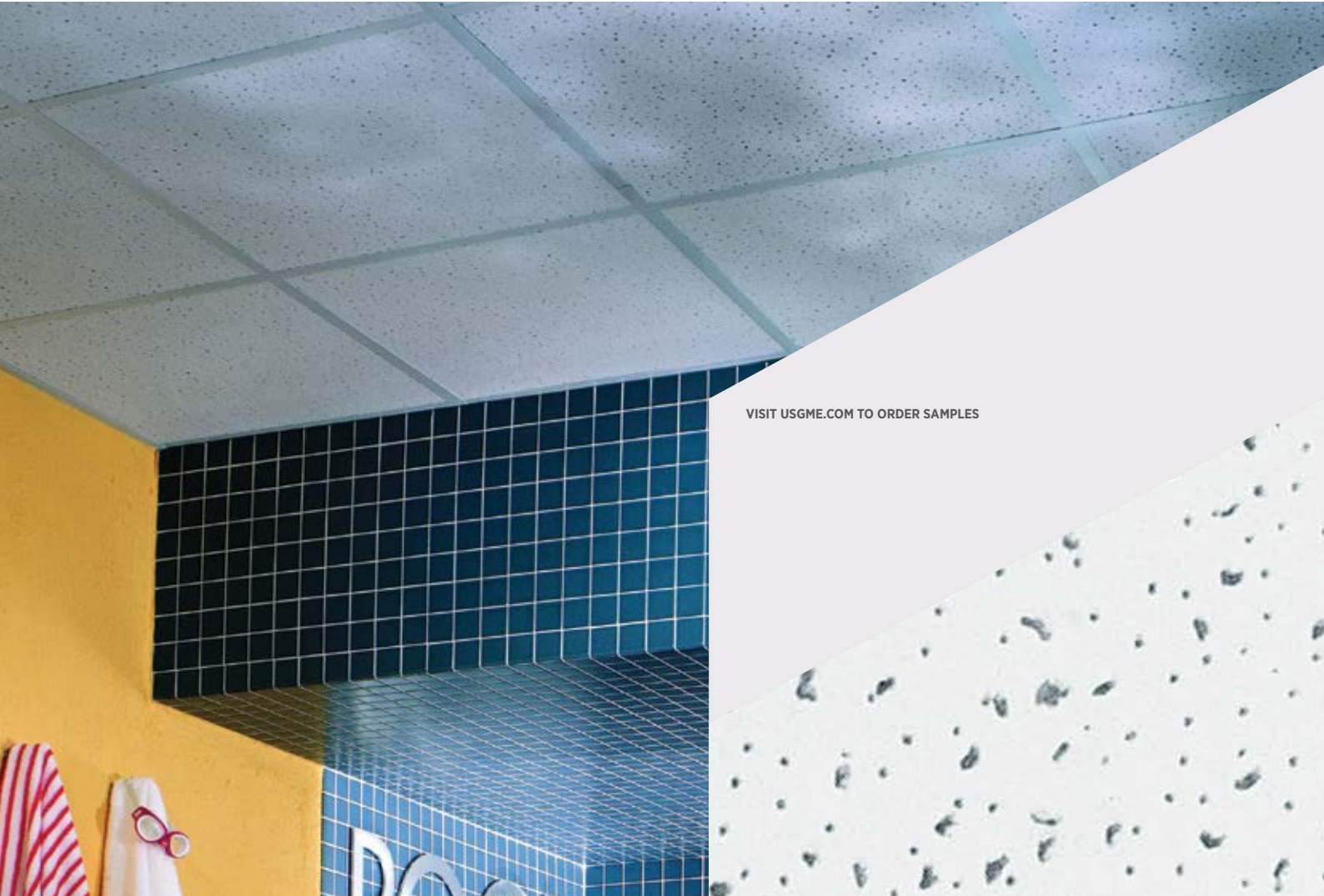
Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

RADAR™ CERAMIC



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FEATURES & BENEFITS

- 100% ceramic bonded mineral fiber.
- Humidity resistance up to 100% RH, 40°C without visible sag and formulated to meet Firecode® standards.
- Ensures durability and considered the highest-quality Environmental Resistant Panel.
- Withstands high heat, ultra-high humidity, corrosive chemical fumes and steam.
- Ideal to withstand the humidity and steam from saunas and steam rooms.
- Due to its high density, provides high sound attenuation for room to room privacy.
- Meets U.S. Coast Guard standards and can be used in high-humidity marine applications.
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Recommended to be installed with USG DONN® Brand AX-AXCE aluminium corrosion-resistant grid system.

APPLICATIONS

- High humidity areas
- Pools and shower areas
- Exterior soffits
- Saunas and steam rooms
- Food preparation areas
- Laboratories




Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.35	0.28	0.38	0.60	0.76	0.77	0.50

*Calculated to ASTM C 423-01

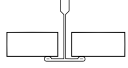
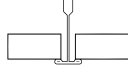
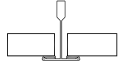
RADAR™ CERAMIC



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	RDX665 RDX225	600*600*15 610*610*15	0.50	39	85%			46%	Low	\$\$\$\$

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	AXCE SQ Edge
		

SPECIFICATION DETAILS

Radars™ Ceramic Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: XX,
Pattern: C, D, E

Substrate and Surface Finish

Ceramic bonded mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm

Size

600 x 600mm, 610 x 610mm

Edge Detail Trim

Square

Weight

8.25 kg/m², Ceramic Firecode®

Noise Reduction Coefficient [NRC]
[0.50]

Ceiling Attenuation Class [CAC]
[39 dB]

Mold Prevention Application as per ASTM D3273

Inherent to Mold/Mildew growth

Humidity Resistance

Maximum 100% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.85

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1
Euroclass A2-s1, d0

Fire Rating as per ASTM E119
2hrs Time-Rated Assembly [G202]

Thermal Resistance

0.23 m² °K/W - R 1.3

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

SANDRIFT™



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Casted Panels with a durable surface that resists scrapes commonly caused by accessing ceiling plenum; highly abuse-resistant paneling.
- Embossed texture that replicates the natural beauty of drifting snow; ideal for use with uplighting or strong side lighting.
- Combination of high sound absorption and high sound attenuation when laminated with paper back surface. Offers effective reduction of unwanted noise and provides excellent privacy.
- HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution.
- Available strictly in ClimaPlus™ for 95% RH resistance. Also features Reveal Edge panels and is formulated to meet Firecode® standards.
- Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

APPLICATIONS

- Conference and lobby areas
- Executive offices
- Department stores
- Restaurant
- Entertainment and gaming

SANDRIFT™



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
 SL	808 Paper Back	610*610*19	0.70	38	83%			72%	Zero	\$\$\$
	815 Paper Back	610*610*19	0.55	35	83%			73%	Zero	\$\$\$
 FL	809 Paper Back	610*610*19	0.70	38	83%			72%	Zero	\$\$\$

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Sandrifft™ Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 4,
Pattern: F

Substrate and Surface Finish

Cast mineral fiber with factory applied finish paint

Thickness

19mm

Size

610 x 610mm

Edge Detail Trim

Reveal [SL, FL]

Weight

Class A [7.8 kg/m²],
Firecode® [8.15 kg/m²]

Noise Reduction Coefficient [NRC]

[0.55] [0.70]

Ceiling Attenuation Class [CAC]

[35 - 38 dB]

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 95% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.83

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [G228]

Thermal Resistance

R 1.7 [Class A],
R 1.3 [Firecode®]

VOC Class

Zero emission per CHPS Collaborative for High-Performance Schools

Formaldehyde Classification

Class E1 as per EN717-1

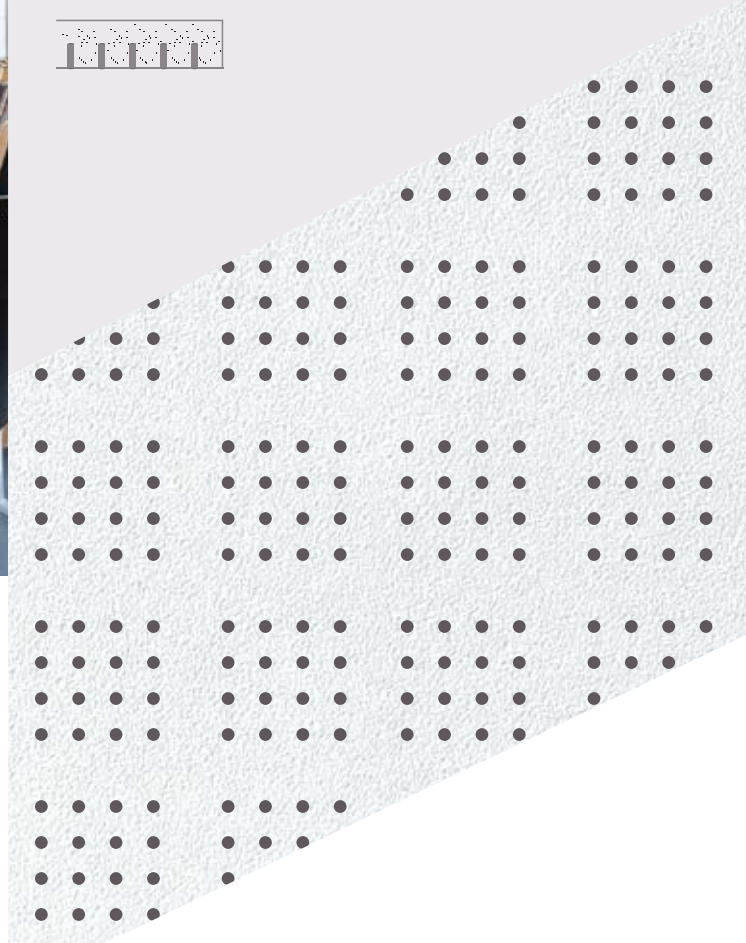
Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

SKYLITE ACOUSTIC



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FEATURES & BENEFITS

- Special R6 wetfletted perforated design meets the growing demand for high sound control ceiling panels with a modern and stylish look.
- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.70) and sound attenuation (up to CAC-39).
- Excellent for critical lighting applications that require High Light Reflectance (0.89).
- High Humidity Resistance up to RH-95%.
- Produced in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and high sound absorption.
- Ideal solutions for educational facilities and offices.

APPLICATIONS

- Classrooms
- Offices
- Reception and lobby areas
- Restaurant and cafe
- Sports hall
- Shopping centers

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	19mm	0.30	0.35	0.65	0.90	0.95	0.70	0.70

*Calculated to ASTM C 423-01

SKYLITE ACOUSTIC



EN 13964 : 2014 + A1 : 2007



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold / Mildew & Sag Resistance	Fire Rating*	Recycled Content	VOC Emission	Cost
	SKA669-R6	600*600*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKA229-R6	610*610*19								
	SKA629-R6	600*1200*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKA249-R6	610*1220*19								
	SKAR669-R6	600*600*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKAR229-R6	610*610*19								
	SKAR629-R6	600*1200*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKAR249-R6	610*1220*19								
	SKARF669-R6	600*600*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKARF229-R6	610*610*19								
	SKARF629-R6	600*1200*19	0.70	39	89%			83%	Low	\$\$\$\$
	SKARF249-R6	610*1220*19								

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

SPECIFICATION DETAILS

Skylite Acoustic Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: A

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

19mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

7 kg/m² [Firecode*]

Noise Reduction Coefficient [NRC]

[0.70]*

Ceiling Attenuation Class [CAC]

[39 dB]

Humidity Resistance

Maximum 95% RH

Light Reflectance Coefficient [LR]

0.89

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84 Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.05 W/m²K

Formaldehyde Classification

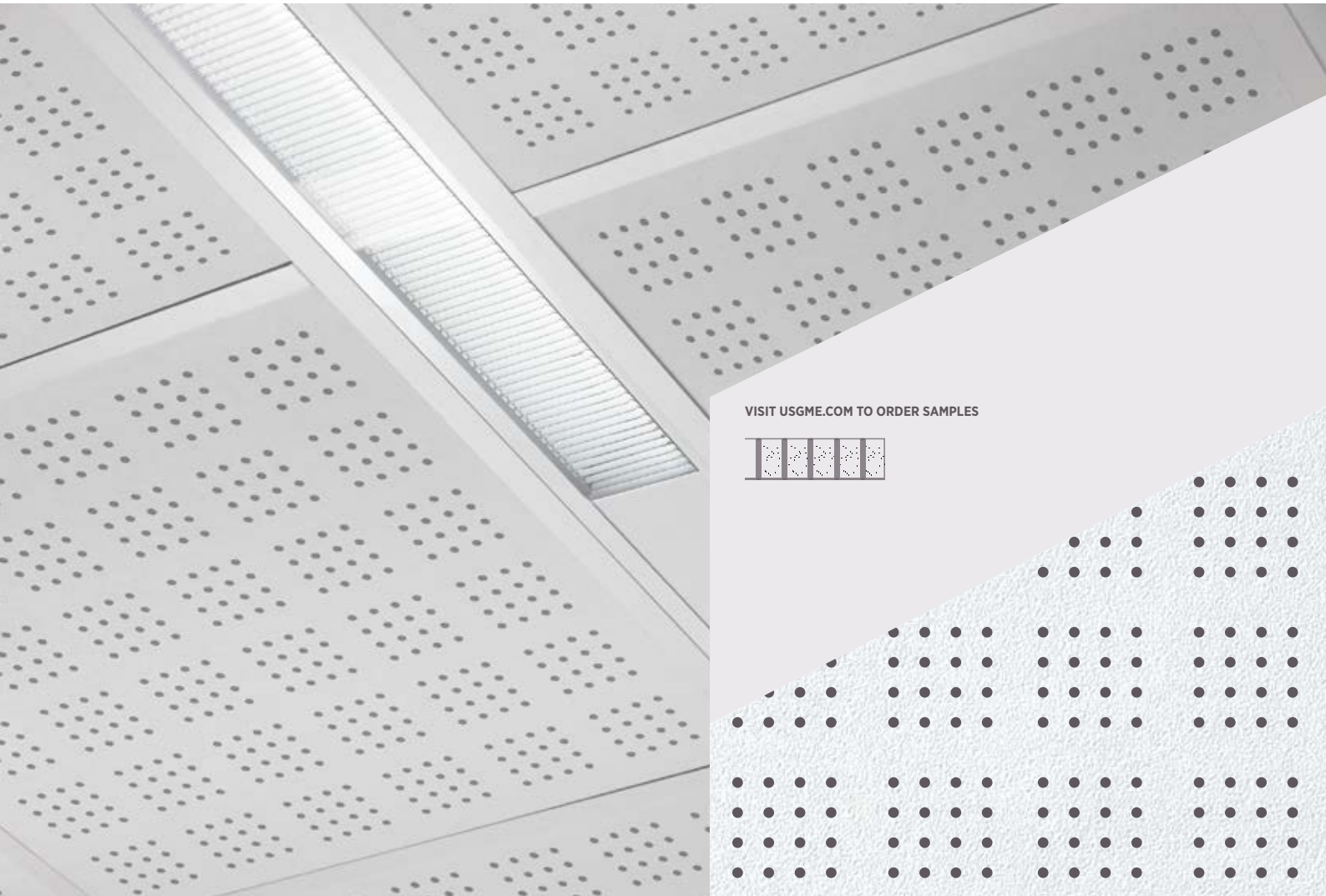
Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

* Higher acoustic value can be achieved with additional fiber glass/stone wool backer panel

SKYLITE CLEAN



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FEATURES & BENEFITS

- Special R6 wetfletted laminated with vinyl face.
- Made with Firecode™ base materials to meet life safety codes.
- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.85) and sound attenuation (up to CAC-38).
- Classified HRC panels (High Recycled Content) as greater than 50%.
- Recommended to be used with AXCE grid (gasketed tee flanges) for laboratories areas.
- Washable, scrubbable resistance.
- High humidity resistant; is also anti-mold and resists mildew growth.
- Ideal solutions for healthcare facilities.

APPLICATIONS

- Laboratories
- Educational facilities
- Food preparation
- Hydro-therapy rooms
- Laundry areas


Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.30	0.30	0.40	0.70	0.95	0.65	0.60
19mm	0.50	0.65	0.85	1.0	0.90	0.65	0.85	

* Calculated to ASTM C 423-01

SKYLITE CLEAN

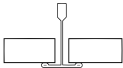
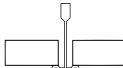


TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	SKC665-R6	600*600*15	0.60	38	80%			52%	Low	\$\$\$\$
	SKC225-R6	610*610*15								
	SKC625-R6	600*1200*15	0.60	38	80%			52%	Low	\$\$\$\$
	SKC245-R6	610*1220*15								
	SKC669-R6	600*600*19	0.85	31	80%			52%	Low	\$\$\$\$
	SKC229-R6	610*610*19								
	SKC629-R6	600*1200*19	0.85	31	80%			52%	Low	\$\$\$\$
	SKC249-R6	610*1220*19								

High Recycled Content
 Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	AXCE SQ Edge
	

SPECIFICATION DETAILS

Skylite Clean Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: X,
 Pattern: A

Substrate and Surface Finish

Mineral fiber substrates laminated with embossed vinyl-faced membrane

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm,
 600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square

Weight

15mm [5.25 kg/m², Firecode®],
 19mm [6.65 kg/m², Firecode®]

Noise Reduction Coefficient [NRC]

[0.60] [0.85]*

Ceiling Attenuation Class [CAC]

[31 - 38 dB]

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

[0.80]

Color

White similar to RAL 9003

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

3hrs Time-Rated Assembly [D218]

Thermal Conductivity

λ = 0.05 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
 MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
 IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

* Higher acoustic value can be achieved with additional fiber glass/ stone wool backer panel

SONATA



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FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC, providing balance to room acoustics and sound attenuation.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- Sonata fulfills the formaldehyde emissions in accordance with EN 717-1 and achieve Class E1.
- Fine, monolithic texture offers the industry's highest light reflectance at LR 0.89. Reduces light fixture and energy usage and is part of indirect lighting.
- High impact and scratch-resistant; durable and cleanable surface.
- Rated as Class 10 for mold prevention application as per ASTM D3273.
- Available in plank size, FLB edges compatible with Logix™ integrated ceiling system.
- Available in custom sizes and different colors on request.

APPLICATIONS

- Executive offices
- Conference rooms
- Reception areas
- Lobbies
- Classrooms
- Corridors
- Restaurants
- Entertainment & gaming centers
- Nurseries

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	19mm	0.40	0.40	0.65	0.95	1.0	1.0	1.0
22mm	0.45	0.45	0.75	0.95	1.0	1.0	1.0	0.80

*Calculated to ASTM C 423-01

SONATA



EN 13964 - 2014 - A1 - 2007
TABLE OF PERFORMANCE



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



AVAILABLE IN CONCEALED EDGE



HIGH RECYCLED CONTENT

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	SC669	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC229	610*610*19								
	SC629	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC249	610*1220*19								
	SC6622	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
SC2222	610*610*22									
	SCR669	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR229	610*610*19								
	SCR629	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR249	610*1220*19								
	SCR6622	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
SCR2222	610*610*22									
	SCRF669	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF229	610*610*19								
	SCRF629	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF249	610*1220*19								
	SCRF6622	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
SCRF2222	610*610*22									
	SCFC669	600*600*19	0.75	40	89%			83%	Low	\$\$\$\$\$
	SCRFD669	600*600*19	0.75	40	89%			83%	Low	\$\$\$\$\$

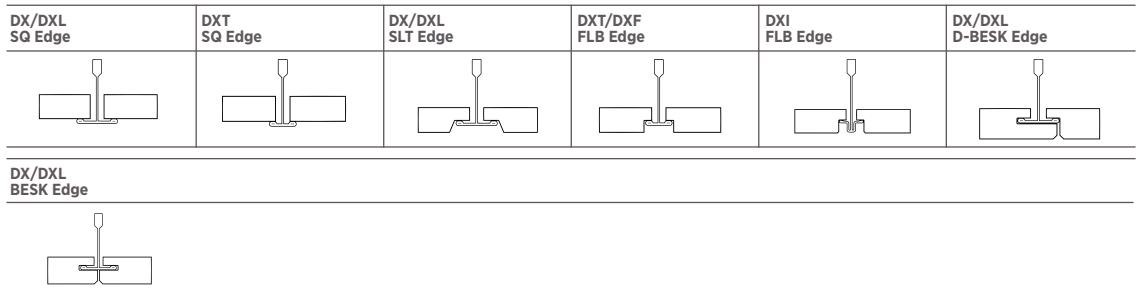
Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS



SPECIFICATION DETAILS

Sonata Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: IV,
 Form: 2,
 Pattern: E, G

Substrate and Surface Finish

Mineral fiber substrate laminated with fiberglass membrane and finished with factory-applied latex paint

Thickness
 19mm, 22mm

Size
 600 x 600mm, 610 x 610mm,
 600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT, FLB],
 Concealed [BESK, D-BESK]

Weight

19mm [4.75 kg/m², Regular/ ClimaPlus™],
 19mm [7 kg/m², Firecode®],
 22mm [5.5 kg/m², Regular/ ClimaPlus™],
 22mm [7.75 kg/m² Firecode®],

Noise Reduction Coefficient [NRC]
 [0.75] [0.80]

Ceiling Attenuation Class [CAC]
 [37 - 40 dB]

Mold Prevention Application as per ASTM D3273
 Rate 10

Humidity Resistance
 Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]
 0.89

Color
 White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84
 Class A

Reaction to Fire as per EN 13501-1
 Euroclass A2-s1, d0

Fire Rating as per ASTM E119
 2hrs Time-Rated Assembly [J201]

Thermal Conductivity
 $\lambda = 0.05 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4282 & D2486
 Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class
 Greenguard Gold

Formaldehyde Classification
 Class E1 as per EN717-1

Relevant LEED® Credit
 EA Credit 1 | MR Credit 4 | MR Credit 5 |
 MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
 IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

SONATA HEALTHCARE



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FEATURES & BENEFITS

- Sonata Healthcare in normal condition face and back is ISO 4 according to the norm ISO 14644-1 : 2015.
- Sonata Healthcare microbiological class according to the norm NF S 90-351 : 2013 is as follows: M100 / area 2 (*Acinobacter baumannii*), M1 / area 4 (*Staphylococcus aureus* MRSA, *Bacillus cereus*, *Streptococcus pneumoniae*, *Escherichia coli*, *Candida albicans*), <1 / area 2,3,4 (*Aspergillus brasiliensis*).
- Recommended to be used with CE grid (gasketed tee flanges) for restricted and semi-restricted areas in hospitals,
- Balanced Acoustics. High-NRC and High-CAC that provides balance to room acoustics and sound attenuation.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- Sonata Healthcare fulfills the formaldehyde emissions in accordance with EN 717-1 and achieve Class E1.
- High Impact and scratch resistance, durable and cleanable surface.
- Rated as Class 10 for mold prevention application as per ASTM D3273.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Central sterile supply
- Class 1 MRI and imaging rooms
- Class 2 MRI & imaging rooms
- Clean corridors
- Corridors
- Decontamination rooms
- Endoscope processing rooms
- Laboratories
- Laundry areas
- Nurse's stations
- Patient rooms
- Pharmacies
- Treatment and procedure rooms

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	19mm	0.40	0.40	0.65	0.95	1.0	1.0	1.0
22mm	0.45	0.45	0.75	0.95	1.0	1.0	1.0	0.80

*Calculated to ASTM C 423-01

SONATA HEALTHCARE



TABLE OF PERFORMANCE



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ	SC669HC	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC229HC	610*610*19								
	SC629HC	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SC249HC	610*1220*19								
	SC6622HC	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SC2222HC	610*610*22								
SLT	SCR669HC	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR229HC	610*610*19								
	SCR629HC	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCR249HC	610*1220*19								
	SCR6622HC	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SCR2222HC	610*610*22								
FLB	SCRF669HC	600*600*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF229HC	610*610*19								
	SCRF629HC	600*1200*19	0.75	37	89%			83%	Low	\$\$\$\$
	SCRF249HC	610*1220*19								
	SCRF6622HC	600*600*22	0.80	40	89%			83%	Low	\$\$\$\$\$
	SCRF2222HC	610*610*22								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	CE SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge
DXI FL Edge					

SPECIFICATION DETAILS

Sonata Healthcare Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: IV,
Form: 2,
Pattern: E, G

Substrate and Surface Finish

Mineral fiber substrate laminated with fiberglass membrane and finished with factory-applied latex paint and water repellent membrane

Water Absorbance

Repellency membrane that resists mild water drippage for up to 2 hrs.

Thickness

19mm, 22mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

19mm [4.75 kg/m², Regular/ ClimaPlus™],
19mm [7 kg/m², Firecode®],
22mm [5.5 kg/m², Regular/ ClimaPlus™],
22mm [7.75 kg/m² Firecode®],

Noise Reduction Coefficient [NRC]

[0.75] [0.80]

Ceiling Attenuation Class [CAC]

[37 - 40 dB]

Clean Room Classification as per ISO 14644-1

ISO 4

Mold Prevention Application as per ASTM D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.89

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

Thermal Conductivity

λ = 0.05 W/m²K

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

SPARTA



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Laminated washable vinyl facing ceiling tile for easy maintenance.
- Available only in plain facings with smooth appearance.
- Ultra high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- May be installed in early project stages.
- Standard with aluminum foil at the rear side which acts as a vapor barrier and resists breathing so panel stays clean for a long time
- Scrub resistant, dirt marks are easy to remove.
- Suitable for Healthcare applications.
- Economical and easy to trim and install.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Hydro-therapy rooms
- Nurse's stations
- Patient rooms
- Kitchen
- Groceries
- Bathroom

SPARTA



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	LPW665	600*600*15	35	84%			20%	Low	\$
	LPW225	610*610*15							
	LPW669	600*600*19	36	84%		20%	Low	\$\$	
	LPW229	610*610*19							

Low Emissions (VOC)
 Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health's (CDPH) Standard Method v1.1 - 2010 (CA Section 01350). 'Certificates of Compliance' for Low VOC Emissions are available on usg.com and at spot.ul.com.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge

SPECIFICATION DETAILS

Sparta Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification
 Type: X,
 Pattern: G

Substrate and Surface Finish
 Mineral fiber substrates laminated with embossed vinyl-faced membrane and aluminium foil layer at the rear side

Thickness
 15mm, 19mm

Size
 600 x 600mm, 610 x 610mm

Edge Detail Trim
 Square

Weight
 15mm [3.75 kg/m², Regular/ ClimaPlus™],
 19mm [4.75 kg/m², Regular/ ClimaPlus™]

Ceiling Attenuation Class [CAC]
 [35 - 36 dB]

Mold Prevention Application as per ASTM D3273
 Inherent to Mold/Mildew growth

Humidity Resistance
 Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]
 0.84

Color
 White similar to RAL 9003

Surface Burning Characteristics as per ASTM E84
 Class A

Thermal Conductivity
 $\lambda = 0.057 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486
 Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion

VOC Class
 Greenguard Gold

Formaldehyde Classification
 Class E1 as per EN717-1

Relevant LEED® Credit
 EA Credit 1 | MR Credit 4 | MR Credit 5 |
 MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
 IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

TAIGA



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TAIGA PLAIN DESIGN

CHESSEBOARD DESIGN

COMET LINE DESIGN

FEATURES & BENEFITS

- Taiga is available in three different surface designs: Plain, Chessboard, and Comet Line.
- Taiga panels were developed to meet today's trend for cleaner finishes with high light reflectance at 86%; improves day lighting which results in energy cost savings and increased comfort level.
- Enhanced surface durability makes Taiga more resistant to normal dirt and wear and tear, enhancing the product's lifespan.
- Low sound absorption, ideal where increased room reverberation is desired.
- High humidity resistant in ClimaPlus™, suitable for applications with intermittent heating and cooling.
- Available in Pedestal edge for 19mm thickness.

APPLICATIONS

- Showrooms and lounges
- Shops
- Supermarkets and departments stores
- Luxury retail stores
- General offices
- Municipal buildings
- Warehouses

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC***
	15mm	0.35	0.25	0.10	0.15	0.20	0.45	0.15
19mm*	0.30	0.25	0.25	0.30	0.40	0.60	0.30	
19mm**	0.25	0.25	0.25	0.30	0.35	0.50	0.30	

* Chessboard Design

** Comet Line Design

*** Calculated to ASTM C 423-01

TAIGA



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



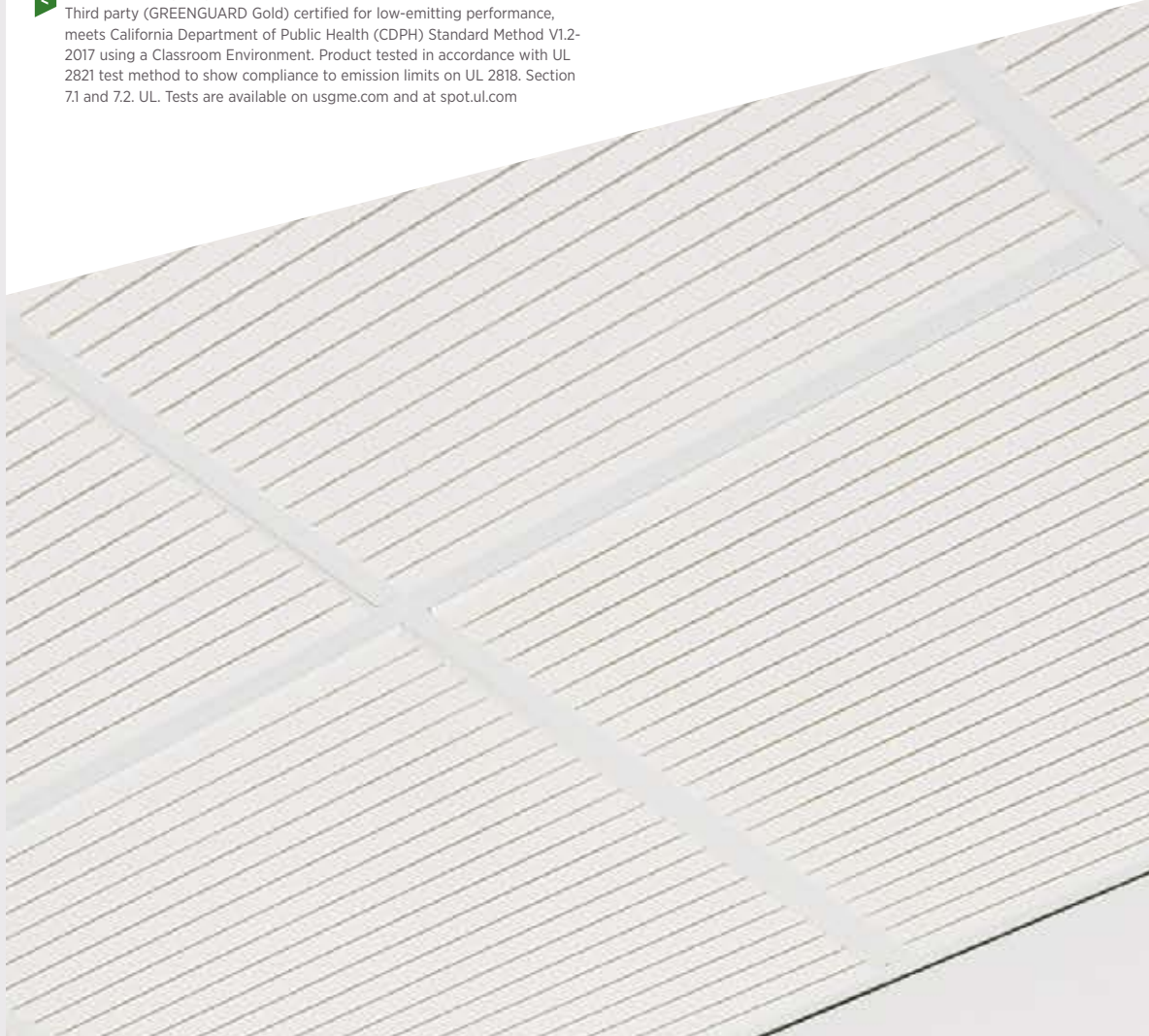
CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	TS665	600*600*15	0.15	33	86%			25%	Low	\$\$
	TS225	610*610*15								
	TS669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	TS229	610*610*19								
SLT 	TSR665	600*600*15	0.15	33	86%			25%	Low	\$\$
	TSR225	610*610*15								
	TSR669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	TSR229	610*610*19								
	TSRCHS669	600*600*19	0.30	35	83%			25%	Low	\$\$\$
	TSRCHS229	610*610*19								
	TSRC669	600*600*19	0.30	35	83%			32%	Low	\$\$\$
TSRC229	610*610*19									
FLB 	TSRF665	600*600*15	0.15	33	86%			25%	Low	\$\$\$
	TSRF225	610*610*15								
PEDESTAL 	DP1TSRI669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	DP1TSRI229	610*610*19								
	DP4TSRI669	600*600*19	0.15	37	86%			25%	Low	\$\$\$
	DP4TSRI229	610*610*19								
	CHSR669	600*600*19	0.30	35	86%			25%	Low	\$\$\$
	CHSR229	610*610*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com





TAIGA



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXF FLB Edge	DXT FLB Edge	DXT PEDESTAL

SPECIFICATION DETAILS

Taiga Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: G, K

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm

Edge Detail Trim

Square,
Reveal [SLT, FLB, Pedestal]

Weight

15mm [3.6 kg/m², Regular/ ClimaPlus™],
19mm [4.5 kg/m², Regular/ ClimaPlus™]

Noise Reduction Coefficient [NRC]

[0.15][0.30]

Ceiling Attenuation Class [CAC]

[33 - 37 dB]

Humidity Resistance

Maximum 95% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.83-0.86

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Thermal Conductivity

$\lambda = 0.057 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

TAIGA HYGIENE



VISIT USGME.COM TO ORDER SAMPLES

FEATURES & BENEFITS

- Taiga Hygiene in normal condition face and back is ISO 4 according to the norm ISO 14644-1 : 2015.
- All Taiga Hygiene items have a special fungicide treatment in the core and on the finished painted surface to enhance resistance to growth of micro-organisms and ensure regular cleanability. Contains a broad spectrum of antimicrobial additives on the face and back of the panel, which provides resistance against the growth of mold and mildew.
- The microbiological class according to the norm NF S 90-351 : 2013 is as following: M100 / area 2 (*Klebsiella pneumoniae*), M1 / area 4 (*Acinobacter baumannii*, *Staphylococcus aureus* MRSA, *Bacillus cereus*, *Streptococcus pneumoniae*, *Escherichia coli*, *Candida albicans*), <1 / area 2,3,4 (*Aspergillus brasiliensis*).
- Taiga Hygiene has been developed to meet the most stringent standards for hygiene and cleanability.
- High light reflectance performance 86%.
- High humidity resistant in ClimaPlus™, suitable for applications with intermittent heating and cooling.

APPLICATIONS AS PER 2018 FGI GUIDELINES

- Class 1 MRI and imaging rooms
- Laboratories
- Nurse's stations
- Patient rooms
- Pharmacies

TAIGA HYGIENE



EN 13964 : 2014 + A1 : 2017



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



CEILING ATTENUATION CLASS



HEALTHCARE APPLICATION

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	THS665	600*600*15	0.15	33	86%			25%	Low	\$\$
	THS225	610*610*15								
	THS669	600*600*19	0.15	36	86%			25%	Low	\$\$\$
	THS229	610*610*19								
	THSR665	600*600*15	0.15	33	86%			25%	Low	\$\$
	THSR225	610*610*15								
	THSR669	600*600*19	0.15	36	86%			25%	Low	\$\$\$
	THSR229	610*610*19								
	THSRF669	600*600*19	0.15	36	86%			25%	Low	\$\$\$
	THSRF229	610*610*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge

SPECIFICATION DETAILS

Taiga Hygiene Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: G

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

15mm, 19mm

Size

600 x 600mm, 610 x 610mm

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

15mm [3.6 kg/m² Regular/ClimaPlus™],
19mm [4.5 kg/m² Regular/ClimaPlus™]

Noise Reduction Coefficient [NRC]

[0.15]

Ceiling Attenuation Class [CAC]

[33 - 36 dB]

Clean Room Classification as per ISO

14644-1

ISO 4

Mold Prevention Application as per ASTM

D3273

Rate 10

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.86

Color

White similar to RAL 9016

Surface Burning Characteristics as per

ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Thermal Conductivity

$\lambda = 0.057 \text{ W/m}^2\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

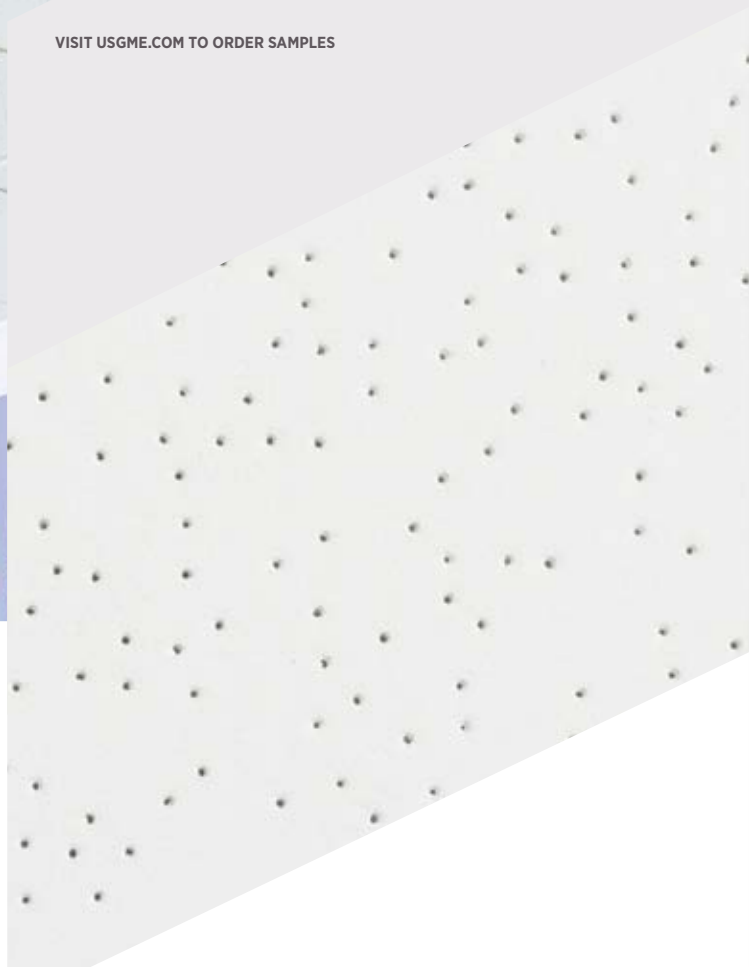
Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9

TAIGA PERFORATED



VISIT USGME.COM TO ORDER SAMPLES



FEATURES & BENEFITS

- Offered in standard pin perforation for ideal mid-range sound absorption & sound attenuation, providing balance to room acoustics.
- Excellent for general commercial construction.
- Excellent for critical lighting applications; Taiga Perforated achieves High Light Reflectance (LR- 0.86).
- Maximum economy and design simplicity.
- Also available in washable & hygienic paint.
- High sound absorption up to 0.7 NRC; specially formulated in 16mm HNRC & 19mm thickness for school and executive offices.

APPLICATIONS

- Schools
- Healthcare
- Corridors
- Lobby areas
- Executive offices
- Retail stores

	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
Absorption Coefficient	12mm	0.25	0.30	0.40	0.55	0.65	0.70	0.50
	15mm	0.35	0.40	0.40	0.55	0.55	0.55	0.45
	16mm HNRC	0.30	0.35	0.70	0.90	0.85	0.75	0.70
	19mm	0.35	0.40	0.65	0.85	0.85	0.70	0.70

* Calculated to ASTM C 423-01

TAIGA PERFORATED



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HIGH RECYCLED CONTENT

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	TPS662	600*600*12	0.50	35	86%			25%	Low	\$
	TPS222	610*610*12								
	TPS665	600*600*15	0.45	35	86%			25%	Low	\$
	TPS225	610*610*15								
	TPC665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPC225	610*610*15								
	TPC625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPC245	610*1220*15								
	TPC666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPC226-HNRC	610*610*16								
SLT 	TPSR665	600*600*15	0.45	35	86%			25%	Low	\$\$
	TPSR225	610*610*15								
	TPCR665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPCR225	610*610*15								
	TPCR625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPCR245	610*1220*15								
	TPCR666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPCR226-HNRC	610*610*16								
	TPCR669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
	TPCR229	610*610*19								
FLB 	TPSRF665	600*600*15	0.45	35	86%			25%	Low	\$
	TPSRF225	610*610*15								
	TPCRF665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPCRF225	610*610*15								
	TPCRF625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPCRF245	610*1220*15								
	TPCRF666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPCRF226-HNRC	610*610*16								
	TPSRF669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
	TPSRF229	610*610*19								

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.



TAIGA PERFORATED



EN 13964 : 2014 + A1 : 2007



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



HIGH RECYCLED CONTENT

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

SPECIFICATION DETAILS

Taiga Perforated Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

Materials Classification

Type: III,
Form: 2,
Pattern: C, E

Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

Thickness

12mm, 15mm, 16mm, 19mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

12mm [2.85 kg/m², Regular/ ClimaPlus™],
15mm [3.6 kg/m² Regular/ ClimaPlus™],
16mm [3.85 kg/m² Regular/ ClimaPlus™],
19mm [4.5 kg/m² Regular/ ClimaPlus™]

Noise Reduction Coefficient [NRC]

[0.45] [0.50] [0.70]

Ceiling Attenuation Class [CAC]

[35 - 37 dB]

Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

Light Reflectance Coefficient [LR]

0.86

Color

White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Thermal Conductivity

$\lambda = 0.05 \text{ W/m}^{\circ}\text{K}$

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

VOC Class

Greenguard Gold

Formaldehyde Classification

Class E1 as per EN717-1

Relevant LEED® Credit

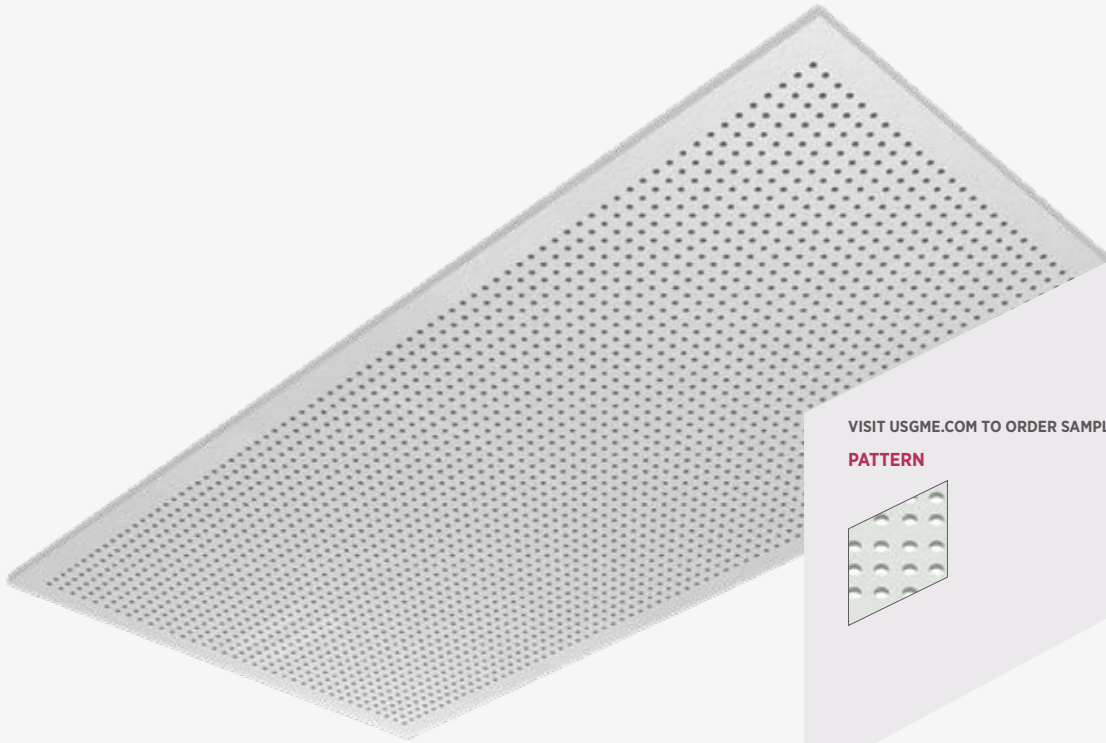
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MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9





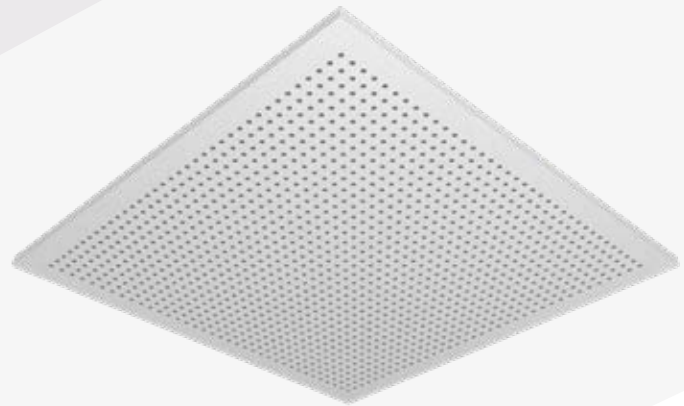
GYPSUM CEILING TILES

SOUNDBLOCK - R6



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PATTERN



FEATURES & BENEFITS

- Round perforation Gypsum Ceiling tiles with acoustic back fleece for high acoustic performance.
- Laminated and painted surface finish options are available.
- Available in both metric and imperial sizes.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC**
	R6		0.55	0.75	0.70	0.65	0.60	0.55
R6*		0.75	0.95	0.95	0.80	0.55	0.40	0.85

* With 100mm soft fiber infill

** Calculated to ASTM C 423-01

SOUNDBLOCK - R6



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	GT-PS6609-R6	600*600*9.5	0.70		88%			7%	Low	\$\$\$
	GT-PS2209-R6	610*610*9.5	0.70		88%			7%	Low	\$\$\$
	GT-PS662-R6	600*600*12.5	0.70		88%			7%	Low	\$\$\$
	GT-PS222-R6	610*610*12.5	0.70		88%			7%	Low	\$\$\$
	GT-PS622-R6	600*1200*12.5	0.70		88%			7%	Low	\$\$\$
	GT-PS242-R6	610*1220*12.5	0.70		88%			7%	Low	\$\$\$
	LG-SP6609-R6	600*600*9.5	0.70		84%			7%	Low	\$\$\$
	LG-SP2209-R6	610*610*9.5	0.70		84%			7%	Low	\$\$\$
	LG-SP622-R6	600*1200*12.5	0.70		84%			7%	Low	\$\$\$
SL 	GT-PSR662-R6	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSR622-R6	600*1200*12.5	0.70		88%			7%	Low	\$\$\$\$
	LG-SPR662-R6	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SPR622-R6	600*1200*12.5	0.70		84%			7%	Low	\$\$\$\$
FL 	GT-PSRF662-R6	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSRF622-R6	600*1200*12.5	0.70		88%			7%	Low	\$\$\$\$
	LG-SPRF662-R6	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SPRF622-R6	600*1200*12.5	0.70		84%			7%	Low	\$\$\$\$

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Soundblock R6 Ceiling Tile meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: C

Substrate and Surface Finish

Laminated: Gypsum ceiling panel laminated with vinyl-faced

Painted: Gypsum ceiling panel finished with factory-applied water-based paint

Thickness

9.5mm, 12.5mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

9.5mm [5.1 kg/m²],
12.5mm [6.7 kg/m²]

Open Area

600 x 600mm: 9.2%
600 x 1200mm: 9.8%

Noise Reduction Coefficient [NRC]

up to 0.70

Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

Laminated: 0.84
Painted: 0.88

Color

Laminated: White similar to RAL 9003
Painted: Matt White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Laminated: Class A

Painted: Class A

Thermal Resistance

12.5mm [R 0.45]

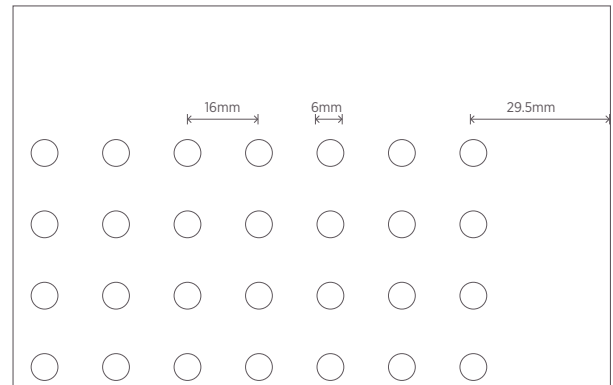
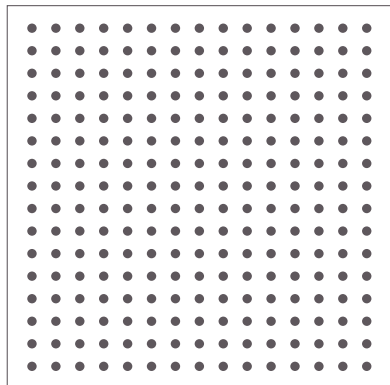
Washability / Scrubbability as per ASTM D4828 & D2486

Laminated: Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Formaldehyde Classification

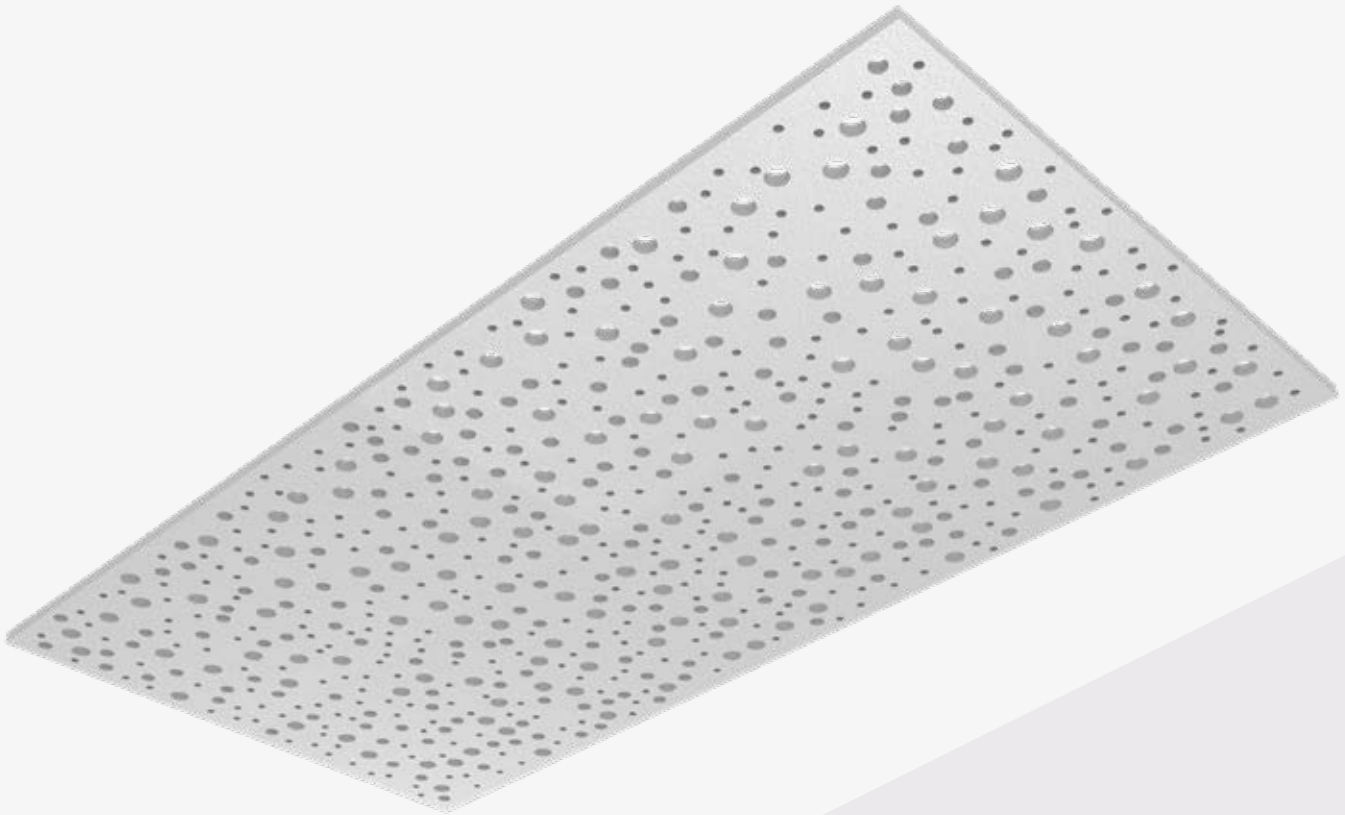
Class E1 as per EN717-1

TILE AND EDGE DETAILS



Open Area 9.2% - 9.8%

SOUNDBLOCK - R8-15-20



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PATTERN

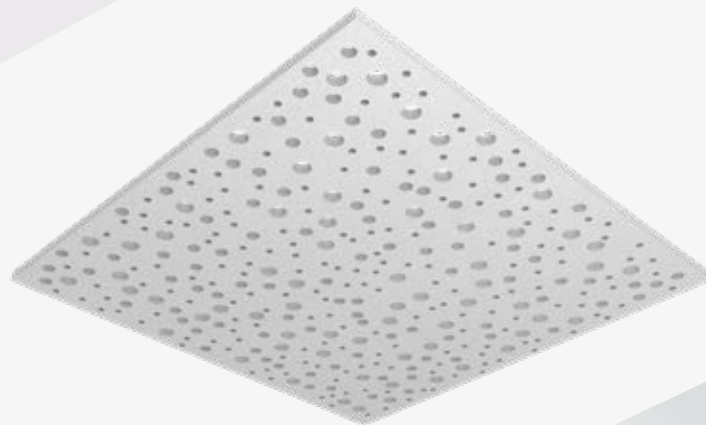


FEATURES & BENEFITS

- Irregular round perforation Gypsum Ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential



SOUNDBLOCK - R8-15-20



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	GT-PS6609-R8-15-20	600*600*9.5	0.70		88%			7%	Low	\$\$\$
	LG-SP6609-R8-15-20	600*600*9.5								
	GT-PS662-R8-15-20	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PS622-R8-15-20	600*1200*12.5								
	LG-SP622-R8-15-20	600*1200*12.5	0.70		84%			7%	Low	\$\$\$\$
	GT-PSR662-R8-15-20	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSR622-R8-15-20	600*1200*12.5								
	LG-SPR662-R8-15-20	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SPR622-R8-15-20	600*1200*12.5								
	GT-PSRF662-R8-15-20	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSRF622-R8-15-20	600*1200*12.5								
	LG-SPRF662-R8-15-20	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SPRF622-R8-15-20	600*1200*12.5								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Soundblock R8-15-20 Ceiling Tile meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: B, C

Substrate and Surface Finish

Laminated: Gypsum ceiling panel laminated with vinyl-faced
Painted: Gypsum ceiling panel finished with factory-applied water-based paint

Thickness

9.5mm, 12.5mm

Size

600 x 600mm, 600 x 1200mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

9.5mm [4.95 kg/m²],
12.5mm [6.51 kg/m²]

Open Area

600 x 600mm: 16.4%
600 x 1200mm: 16.4%

Noise Reduction Coefficient [NRC]

up to 0.70*

Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

Laminated: 0.84
Painted: 0.88

Color

Laminated: White similar to RAL 9003
Painted: Matt White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Laminated: Class A
Painted: Class A

Thermal Resistance

12.5mm [R 0.45]

Washability / Scrubbability as per ASTM D4828 & D2486

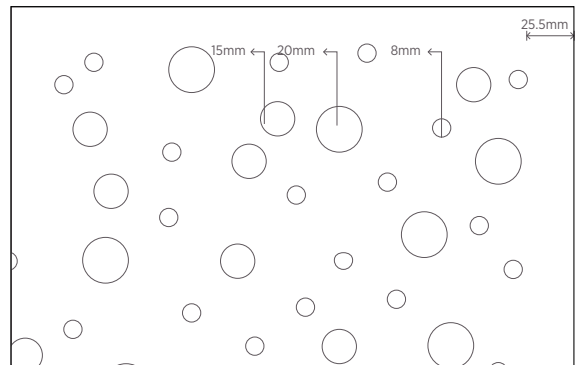
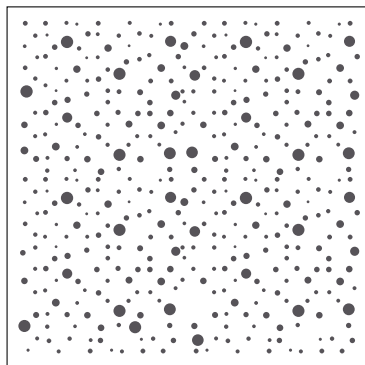
Laminated: Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Formaldehyde Classification

Class E1 as per EN717-1

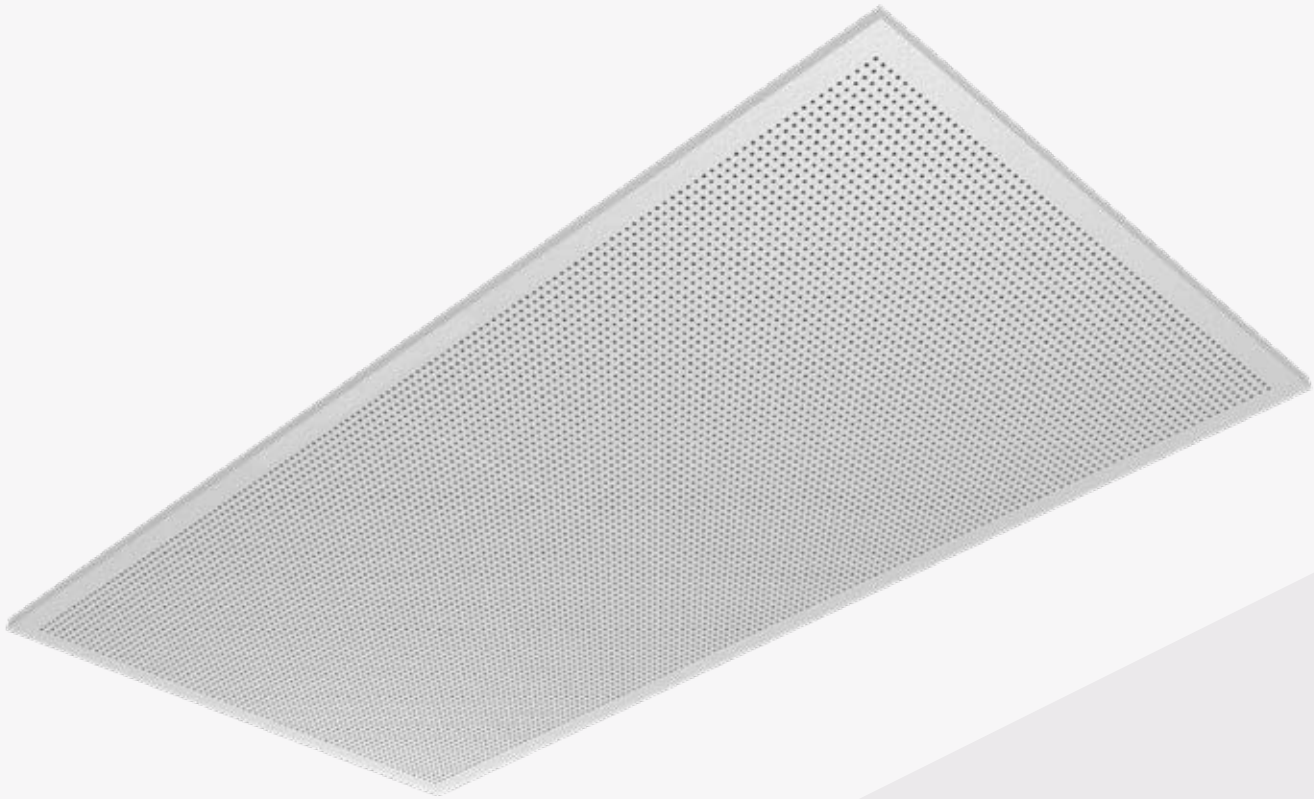
* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

TILE AND EDGE DETAILS



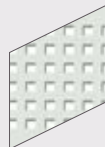
Open Area 16.4%

SOUNDBLOCK - Q3



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PATTERN

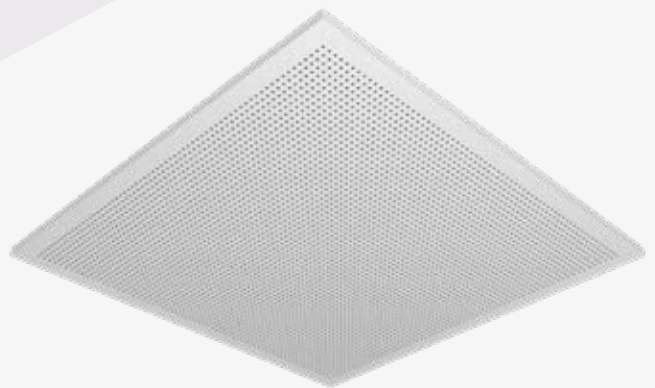


FEATURES & BENEFITS

- 3mm Square perforation gypsum ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential



SOUNDBLOCK - Q3



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	GT-PS6609-Q3	600*600*9.5	0.75		88%			7%	Low	\$\$\$
	LG-SP6609-Q3	600*600*9.5								
	GT-PS662-Q3	600*600*12.5	0.75		88%			7%	Low	\$\$\$
	GT-PS622-Q3	600*1200*12.5								
	LG-SP662-Q3	600*600*12.5	0.75		84%			7%	Low	\$\$\$
	GT-PSR662-Q3	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSR622-Q3	600*1200*12.5								
	LG-SPR662-Q3	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SPR622-Q3	600*1200*12.5								
	GT-PSRF662-Q3	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSRF622-Q3	600*1200*12.5								
	LG-SPRF662-Q3	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SPRF622-Q3	600*1200*12.5								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Soundblock Q3 Ceiling Tile meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: C

Substrate and Surface Finish

Laminated: Gypsum ceiling panel laminated with vinyl-faced
Painted: Gypsum ceiling panel finished with factory-applied water-based paint

Thickness

9.5mm, 12.5mm

Size

600 x 600mm, 600 x 1200mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

9.5mm [5.05 kg/m²],
12.5mm [6.65 kg/m²]

Open Area

600 x 600mm: 11.1%
600 x 1200mm: 11.6%

Noise Reduction Coefficient [NRC]

up to 0.75*

Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

Laminated: 0.84
Painted: 0.88

Color

Laminated: White similar to RAL 9003
Painted: Matt White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Laminated: Class A
Painted: Class A

Thermal Resistance

12.5mm [R 0.45]

Washability / Scrubbability as per ASTM D4828 & D2486

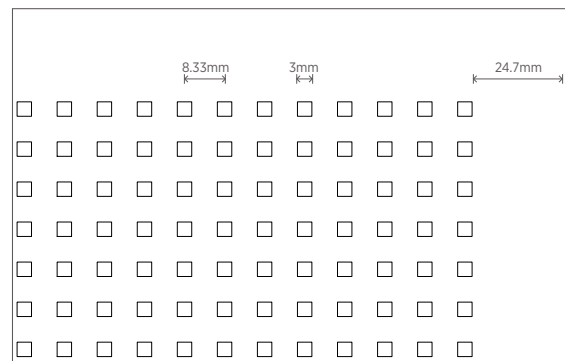
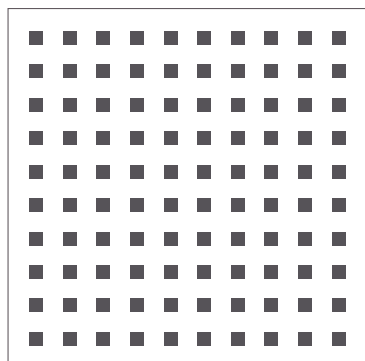
Laminated: Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Formaldehyde Classification

Class E1 as per EN717-1

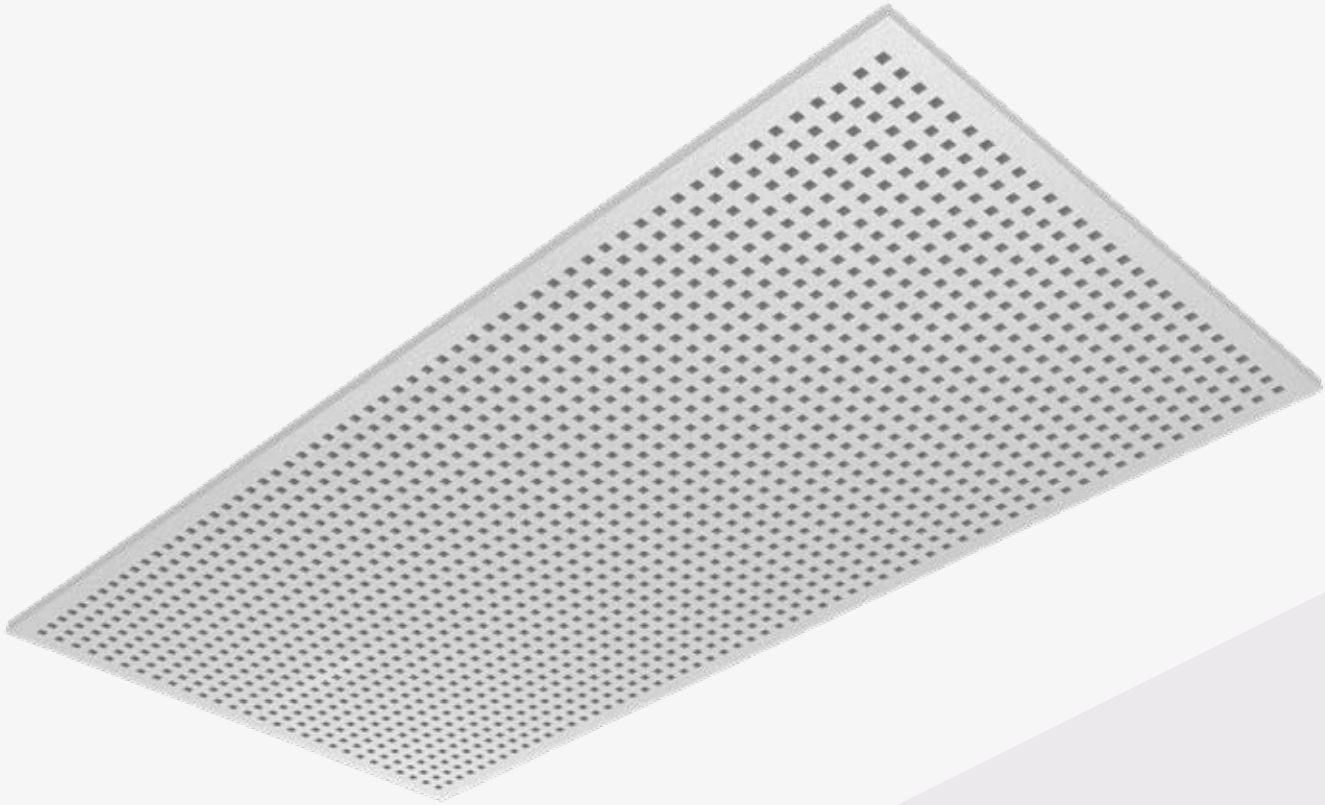
* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

TILE AND EDGE DETAILS



Open Area 11.1% - 11.6%

SOUNDBLOCK - Q9



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PATTERN

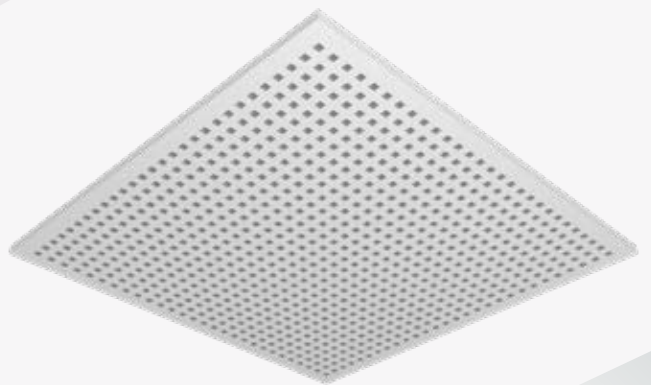


FEATURES & BENEFITS

- 9mm Square perforation gypsum ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental condition.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls and residential



SOUNDBLOCK - Q9



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	GT-PS6609-Q9	600*600*9.5	0.70		88%			7%	Low	\$\$
	LG-SP6609-Q9	600*600*9.5								
	GT-PS662-Q9	600*600*12.5	0.70		88%			7%	Low	\$\$
	GT-PS622-Q9	600*1200*12.5								
	LG-SP662-Q9	600*600*12.5	0.70		84%			7%	Low	\$\$
	LG-SP622-Q9	600*1200*12.5								
	GT-PSR662-Q9	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSR622-Q9	600*1200*12.5								
	LG-SPR662-Q9	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SPR622-Q9	600*1200*12.5								
	GT-PSRF662-Q9	600*600*12.5	0.70		88%			7%	Low	\$\$\$\$
	GT-PSRF622-Q9	600*1200*12.5								
	LG-SPRF662-Q9	600*600*12.5	0.70		84%			7%	Low	\$\$\$\$
	LG-SPRF622-Q9	600*1200*12.5								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge

SPECIFICATION DETAILS

Soundblock Q9 Ceiling
Tile meets specifications in accordance with ASTM C1264.

Materials Classification

Type: XX,
Pattern: A

Substrate and Surface Finish

Laminated: Gypsum ceiling panel laminated with vinyl-faced

Painted: Gypsum ceiling panel finished with factory-applied water-based paint

Thickness

9.5mm, 12.5mm

Size

600 x 600mm, 600 x 1200mm

Edge Detail Trim

Square, Reveal [SL, FL]

* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

Weight

9.5mm [4.9 kg/m²],
12.5mm [6.4 kg/m²]

Open Area

600 x 600mm: 18%
600 x 1200mm: 18.5%

Noise Reduction Coefficient [NRC]

up to 0.70*

Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

Laminated: 0.84
Painted: 0.88

Color

Laminated: White similar to RAL 9003
Painted: Matt White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Laminated: Class A
Painted: Class A

Thermal Resistance

12.5mm [R 0.45]

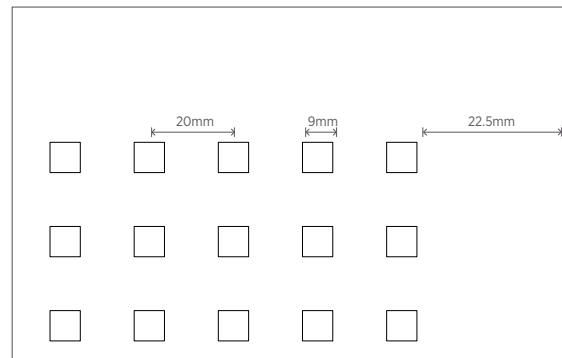
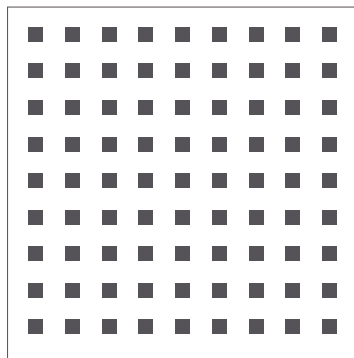
Washability / Scrubbability as per ASTM D4828 & D2486

Laminated: Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Formaldehyde Classification

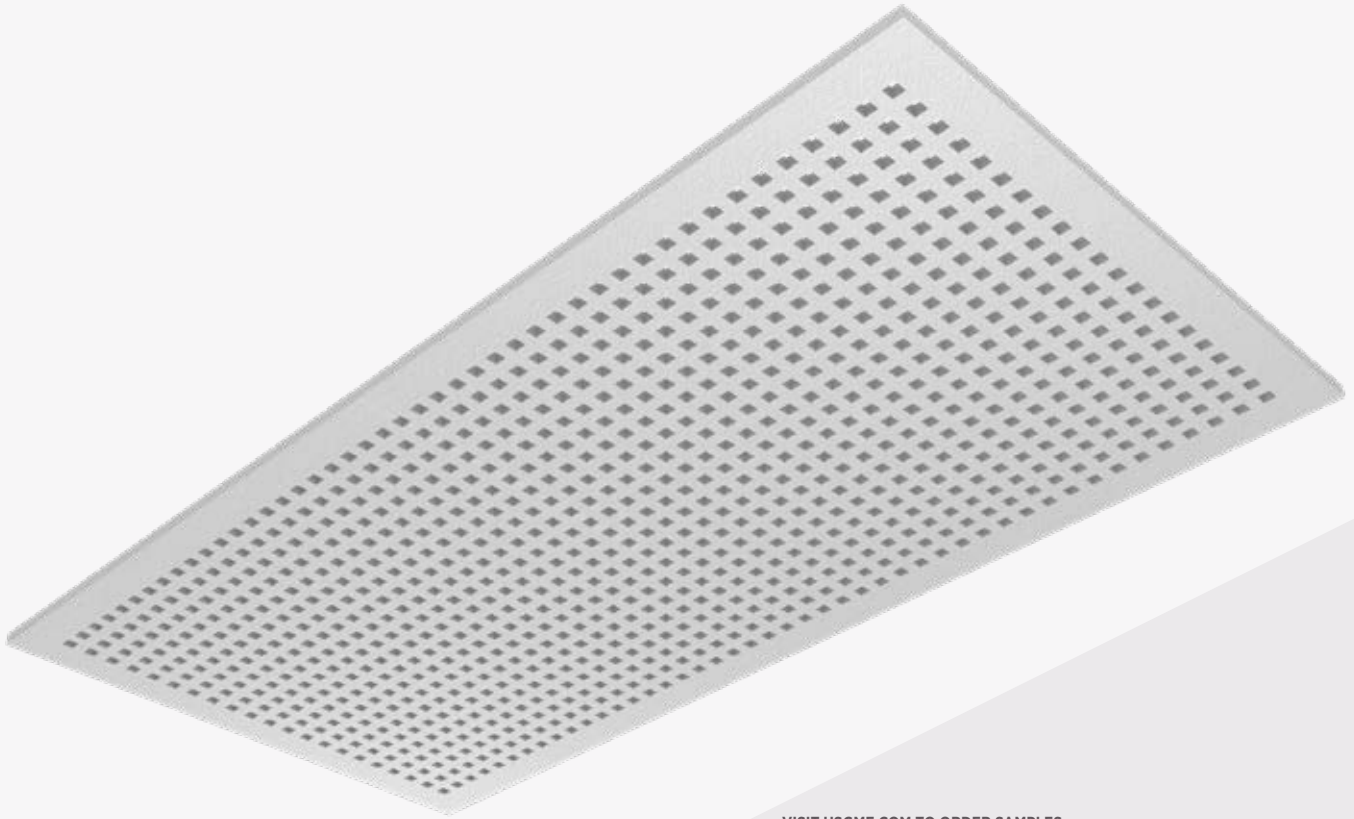
Class E1 as per EN717-1

TILE AND EDGE DETAILS



Open Area 18% - 18.5%

SOUNDBLOCK - Q12



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PATTERN

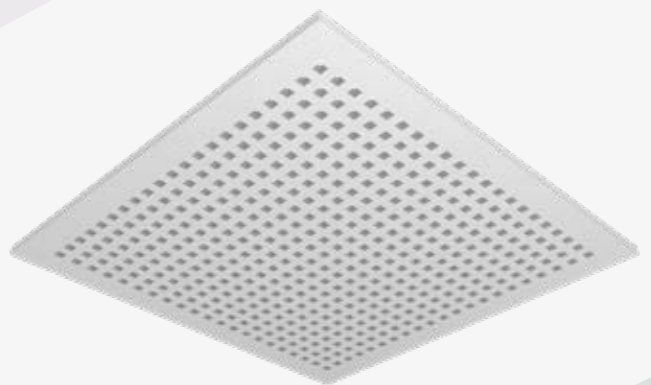


FEATURES & BENEFITS

- 12mm Square perforation Gypsum Ceiling tiles with acoustic back fleece for high acoustic performance.
- Available in laminated and painted surface finish options.
- Various edges for modern and aesthetic look.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand acoustical ceiling suspensions.

APPLICATIONS

- Schools
- Commercial retails
- Department stores
- Hotels
- Malls & residential



SOUNDBLOCK - Q12






PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION

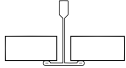
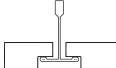
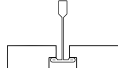
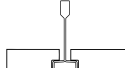


CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
	GT-PS662-Q12	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PS622-Q12	600*1200*12.5								
	LG-SP662-Q12	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SP622-Q12	600*1200*12.5								
	GT-PSR662-Q12	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSR622-Q12	600*1200*12.5								
	LG-SPR662-Q12	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SPR622-Q12	600*1200*12.5								
	GT-PSRF662-Q12	600*600*12.5	0.75		88%			7%	Low	\$\$\$\$
	GT-PSRF622-Q12	600*1200*12.5								
	LG-SPRF662-Q12	600*600*12.5	0.75		84%			7%	Low	\$\$\$\$
	LG-SPRF622-Q12	600*1200*12.5								

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge
			

SPECIFICATION DETAILS

Soundblock Q12 Ceiling Tile meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: A

Substrate and Surface Finish

Laminated: Gypsum ceiling panel laminated with vinyl-faced
Painted: Gypsum ceiling panel finished with factory-applied water-based paint

Thickness

12.5mm

Size

600 x 600mm, 600 x 1200mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

6.4 kg/m²

Open Area

600 x 600mm: 18%
600 x 1200mm: 19.2%

Noise Reduction Coefficient [NRC]

up to 0.75*

Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

Laminated: 0.84
Painted: 0.88

Color

Laminated: White similar to RAL 9003
Painted: Matt White similar to RAL 9016

Surface Burning Characteristics as per ASTM E84

Laminated: Class A
Painted: Class A

Thermal Resistance

R 0.45

Washability / Scrubbability as per ASTM D4828 & D2486

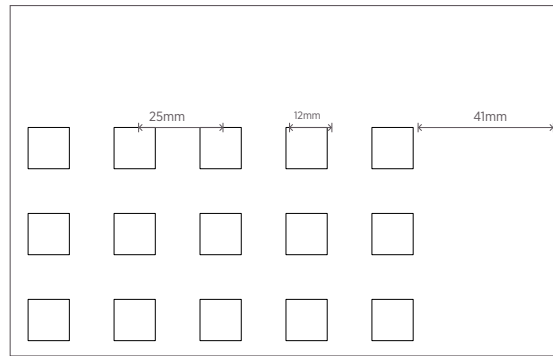
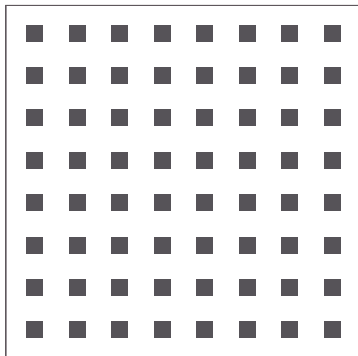
Laminated: Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Formaldehyde Classification

Class E1 as per EN717-1

* Using factory applied acoustical backer. Higher acoustic value can be achieved with additional Fiber glass/Stone wool backer panel

TILE AND EDGE DETAILS



Open Area 18% - 19.2%

PAINTED



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FEATURES & BENEFITS

- Painted Gypsum Ceiling with acrylic emulsion matte finish for smooth and brighter surface.
- High humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions. Can be installed during early construction phase.
- Durable, scuff, and scratch resistant for longer life.
- High Light Reflectance (LR-0.88) reduces light fixtures & energy use.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand ceiling suspensions.

APPLICATIONS

- Laboratories
- Commercial retails
- Restrooms and wet areas
- Department stores

PAINTED






PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION

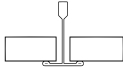
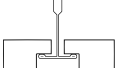
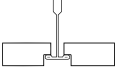
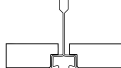


CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	GT-BS6609	600*600*9.5	35	88%			7%	Low	\$
	GT-BS2209	610*610*9.5							
	GT-BS662	600*600*12.5	40	88%			7%	Low	\$\$
	GT-BS222	610*610*12.5							
	GT-BS622	600*1200*12.5	40	88%			7%	Low	\$\$
SL 	GT-BSR662	600*600*12.5	40	88%			7%	Low	\$\$
	GT-BSR222	610*610*12.5							
	GT-BSR622	600*1200*12.5	40	88%			7%	Low	\$\$
	GT-BSR242	610*1220*12.5							
FL 	GT-BSRF662	600*600*12.5	40	88%			7%	Low	\$\$
	GT-BSRF222	610*610*12.5							
	GT-BSRF622	600*1200*12.5	40	88%			7%	Low	\$\$
	GT-BSRF242	610*1220*12.5							

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge
			

SPECIFICATION DETAILS

Painted Gypsum Ceiling Tile meets specifications in accordance with ASTM E1264.

Materials Classification
Type: XX,
Pattern: G

Substrate and Surface Finish
Gypsum ceiling panel finished with factory-applied water-based paint

Thickness
9.5mm, 12.5mm

Size
600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim
Square, Reveal [SL, FL]

Weight
9.5mm [6.65 kg/m²],
12.5mm [8.75 kg/m²]

Ceiling Attenuation Class [CAC]
[35-40]

Mold Prevention
Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance
Maximum 95% RH / 40°C

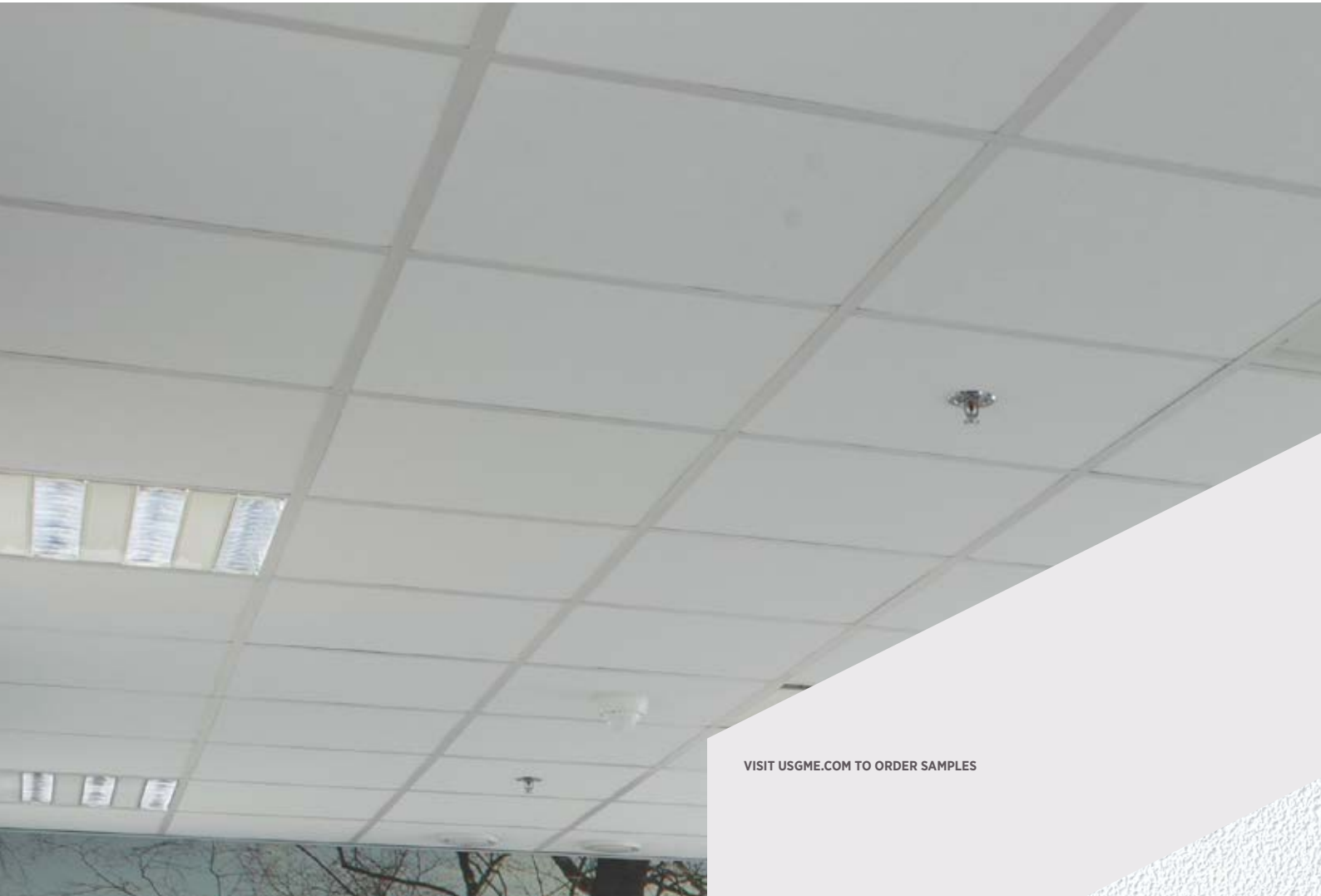
Light Reflectance Coefficient [LR]
0.88

Color
Matt White similar to RAL 9016
Surface Burning Characteristics per ASTM E 84
Class A

Thermal Resistance
12.5mm [R 0.45]

Formaldehyde Classification
Class E1 as per EN717-1

SHADES



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FEATURES & BENEFITS

- Laminated Gypsum Ceiling with washable vinyl facing for easy maintenance.
- Available in plain facings with smooth appearance.
- Ultra-high humidity resistant; sag resistance ensures durability in standard or extreme environmental conditions.
- Standard produced with aluminium foil backing which acts as a vapor barrier and resists breathing so panel stays cleaner longer.
- Scrub resistant. Dirt marks are easy to remove.
- Durable, scuff, and scratch resistant for longer life.
- Suitable for areas with high humidity.
- Economical and easy to trim and install.
- Demountable and designed to be installed on the DONN® Brand ceiling suspensions.

APPLICATIONS

- Laboratories
- Commercial retails
- Restrooms and wet areas
- Department stores
- Kitchen, dietary and laundry

SHADES






PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION

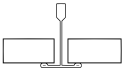
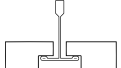
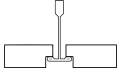
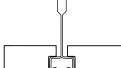


CEILING ATTENUATION CLASS

TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	LG-SP6609	600*600*9.5	35	84%			7%	Low	\$
	LG-SP2209	610*610*9.5							
	LG-SP662	600*600*12.5	40	84%			7%	Low	\$
	LG-SP222	610*610*12.5							
	LG-SP622	600*1200*12.5	40	84%			7%	Low	\$\$
SL 	LG-SPR662	600*600*12.5	40	84%			7%	Low	\$\$
	LG-SPR222	610*610*12.5							
	LG-SPR622	600*1200*12.5	40	84%			7%	Low	\$\$
	LG-SPR242	610*1220*12.5							
FL 	LG-SPRF662	600*600*12.5	40	84%			7%	Low	\$\$
	LG-SPRF222	610*610*12.5							
	LG-SPRF622	600*1200*12.5	40	84%			7%	Low	\$\$
	LG-SPRF242	610*1220*12.5							

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DX/DXL SL Edge	DXT FL Edge	DXF FL Edge
			

SPECIFICATION DETAILS

Shades Gypsum Ceiling Tile meets specifications in accordance with ASTM E1264.

Materials Classification

Type: XX,
Pattern: E, G

Substrate and Surface Finish

Gypsum ceiling panel laminated with vinyl-faced

Thickness

9.5mm, 12.5mm

Size

600 x 600mm, 610 x 610mm,
600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SL, FL]

Weight

9.5mm [6.65 kg/m²],
12.5mm [8.75 kg/m²]

Ceiling Attenuation Class [CAC]

[35-40 dB]

Mold Prevention

Inherent to Mold/Mildew growth panels are available upon request

Humidity Resistance

Maximum 95% RH / 40°C

Light Reflectance Coefficient [LR]

0.84

Color

White similar to RAL 9003

Surface Burning Characteristics per ASTM E 84

Class A

Thermal Resistance

12.5mm [R 0.45]

Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub Cycles without surface break or the extent of abrasion

Formaldehyde Classification

Class E1 as per EN717-1

SOUNDBLOCK PERFORATION PATTERNS



SOUNDBLOCK PERFORATION PATTERNS

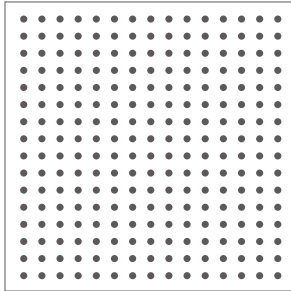
Create synergy between acoustics and aesthetics!

USG Middle East will continue to be your preferred choice for all your ceiling needs. We develop and manufacture a range of acoustical ceilings with high-grade reinforced gypsum. With our team's collective experience in the construction industry, USG Middle East provides the latest industrial technical knowledge to meet your project requirements. Our Soundblock line is sustainable and uses environmentally friendly materials while guaranteeing excellent indoor comfort. Soundblock offers an extensive array of ceiling design solutions with high acoustic performance. Explore new architectural design possibilities with perfect acoustics with Soundblock Perforation Patterns.



SOUNDBLOCK PERFORATION PATTERNS

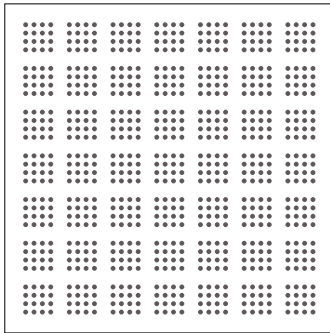
SOUNDBLOCK - R6



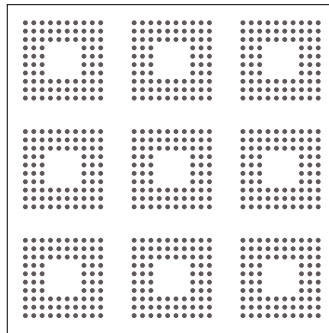
PATTERN SB1

600x600mm		600x1200mm	
Hole Diameter	6mm	Hole Diameter	6mm
Pitch	16mm	Pitch	16mm
Number of Holes	L: 34, W: 34	Number of Holes	L: 72, W: 34
Clearance	10mm	Clearance	10mm
Panel Size	593mm	Panel Size	1197mm
Open Area	9.2%	Open Area	9.8%
Border	29.5mm	Border	29.5mm

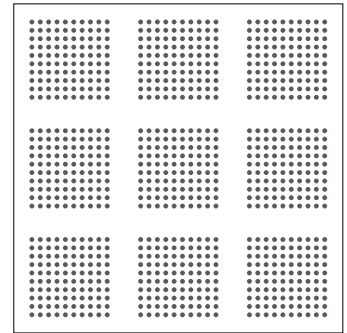
SOUNDBLOCK - R6 ADDITIONAL PATTERNS



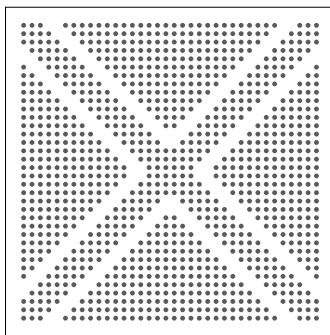
PATTERN SB2



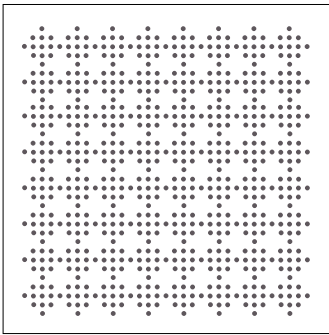
PATTERN SB3



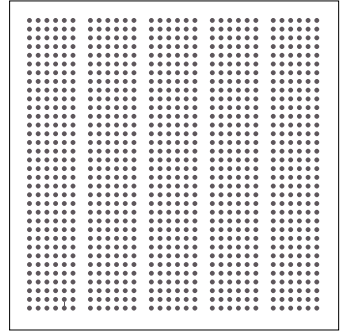
PATTERN SB4



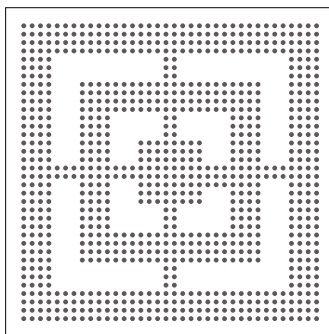
PATTERN SB5



PATTERN SB6



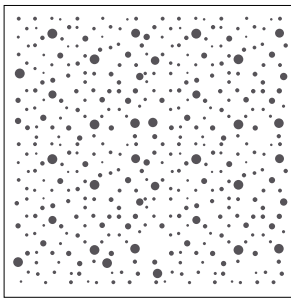
PATTERN SB7



PATTERN SB8

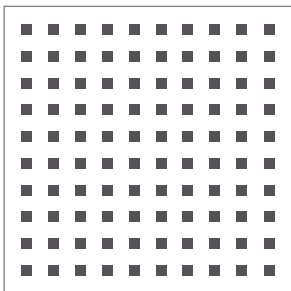
SOUNDBLOCK PERFORATION PATTERNS

SOUNDBLOCK - R8-15-20



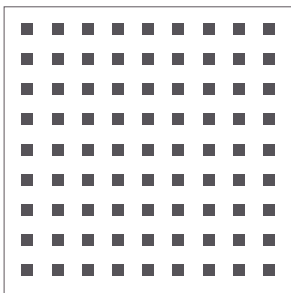
600x600mm		600x1200mm	
Hole Diameter	8, 15, 20mm	Hole Diameter	8, 15, 20mm
Pitch	-	Pitch	-
Number of Holes	R8: 321, R15: 110, R20: 71	Number of Holes	R8: 642, R15: 220, R20: 142
Clearance	-	Clearance	-
Panel Size	594mm	Panel Size	1194mm
Open Area	16.4%	Open Area	16.4%
Border	25.5mm	Border	25.5mm

SOUNDBLOCK- Q3



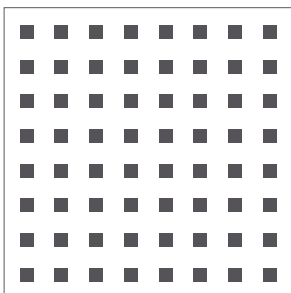
600x600mm		600x1200mm	
Hole Size	3mm x 3mm	Hole Size	3mm x 3mm
Pitch	8.33mm	Pitch	8.33mm
Number of Holes	L: 66, W: 66	Number of Holes	L: 138, W: 66
Clearance	5.33mm	Clearance	5.33mm
Panel Size	594mm	Panel Size	1194mm
Open Area	11.1%	Open Area	11.6%
Border	24.7mm	Border	24.7mm

SOUNDBLOCK - Q9



600x600mm		600x1200mm	
Hole Size	9mm x 9mm	Hole Size	9mm x 9mm
Pitch	20mm	Pitch	20mm
Number of Holes	L: 28, W: 28	Number of Holes	L: 58, W: 28
Clearance	11mm	Clearance	11mm
Panel Size	594mm	Panel Size	1194mm
Open Area	18%	Open Area	18.5%
Border	22.50mm	Border	22.50mm

SOUNDBLOCK - Q12



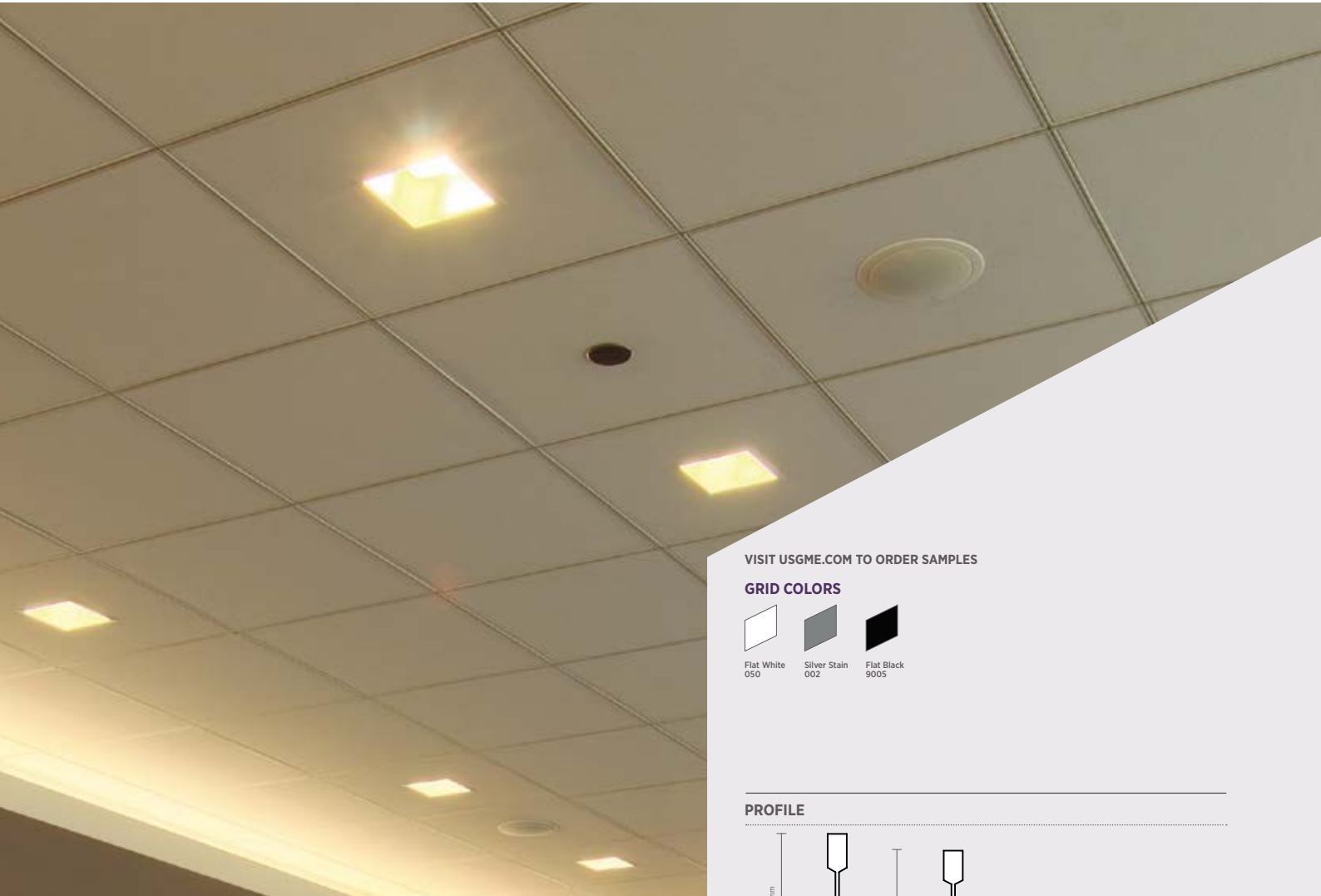
600x600mm		600x1200mm	
Hole Size	12mm x 12mm	Hole Size	12mm x 12mm
Pitch	25mm	Pitch	25mm
Number of Holes	L: 21, W: 21	Number of Holes	L: 45, W: 21
Clearance	13mm	Clearance	13mm
Panel Size	594mm	Panel Size	1194mm
Open Area	18%	Open Area	19.2%
Border	41mm	Border	41mm



A low-angle photograph of a suspended ceiling grid. The grid consists of a series of intersecting lines forming a pattern of squares. A square light fixture is visible in the lower-left quadrant, emitting a bright light. The ceiling is a light, neutral color. A large, semi-transparent white geometric shape, resembling a stylized 'L' or a large triangle, is overlaid on the right side of the image, partially obscuring the ceiling grid. The overall composition is clean and modern.

SUSPENDED CEILING GRID

USG DONN® BRAND DXF® FINELINE® SUSPENSION SYSTEM



FEATURES AND BENEFITS

- Narrow-profile, slotted grid system with 6.35mm reveal provides streamlined appearance.
- Reveal accommodates partition attachments and pendant-mounted light fixtures.
- Mitered intersections offer a clean, tailored appearance.
- Optional integrated air diffuser.
- Custom colors available.
- High recycled content (HRC) available.
- ICC-ES evaluated for seismic installations (ESR-1222).

APPLICATIONS

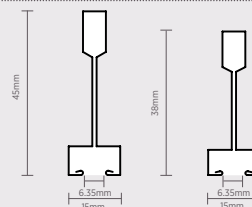
- Fire-rated interior general-use areas
- All interior general-use areas

VISIT USGME.COM TO ORDER SAMPLES

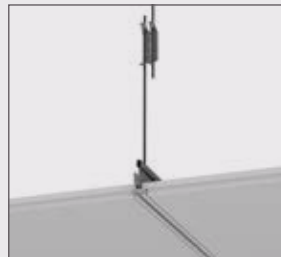
GRID COLORS



PROFILE



EDGE DETAIL



FINELINE BEVELED - FLB



FINELINE - FL

USG DONN® BRAND DXF® FINELINE® SUSPENSION SYSTEM

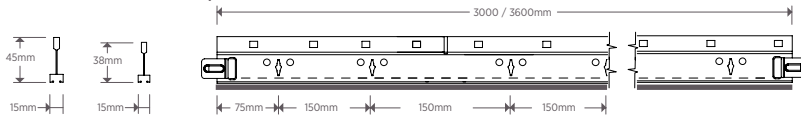


PRODUCT INFORMATION

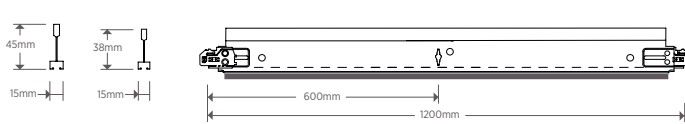
Description	Item Reference	Load*	Profile Height	Component Length
Main Runner	221DXBW01NZ	24KG/LM	45MM	3600/3660MM
	FLB3000HM	17.5KG/LM	38MM	3000MM
Long Cross Tee	221DXF003NZ	24KG/LM	45MM	1200/1220MM
	FLB1200HM-2	17.5KG/LM	38MM	1200MM
Short Cross Tee	221DXF004NZ	24KG/LM	45MM	600/610MM
	FLB600HM	17.5KG/LM	38MM	600MM
Wall Angle	802MT3600		24MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

* Load of 4" hanger spacing in KG/LM and deflection limit of L/360

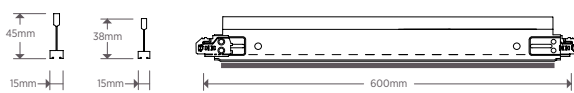
Main Runner 221DXBW01NZ / FLB3000HM



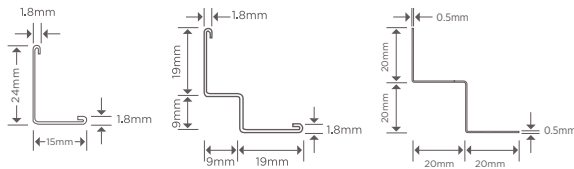
Long Cross Tee 221DXF003NZ / FLB1200HM-2



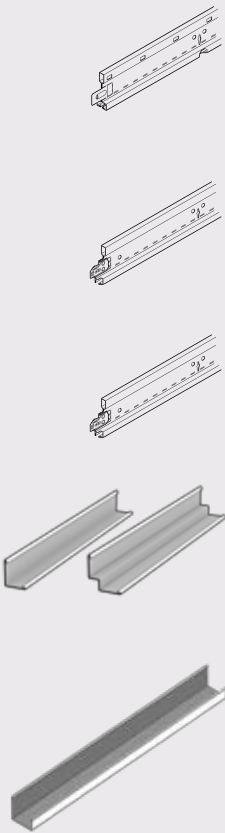
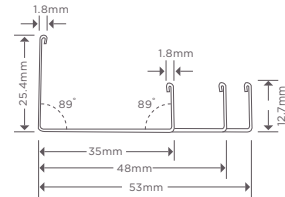
Short Cross Tee 221DXF004NZ / FLB600HM



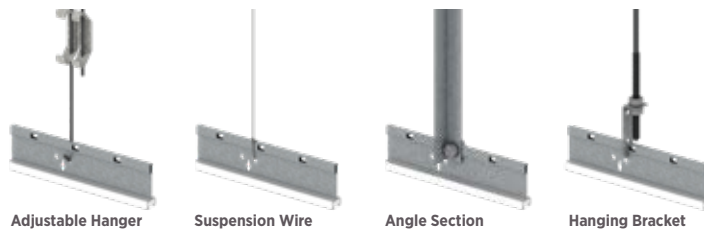
Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger Suspension Wire Angle Section Hanging Bracket

PHYSICAL DATA

Material

Min. G30 pre-painted galvanized steel.

Installation

Install according to ASTM C636, ASTM E580 and USG requirements.

Limitations

- For exposed grids in non-fire-rated, high-humidity applications, use USG Donn® Brand ZXLA™ painted suspension systems.
- For exterior applications, the suspension system should be reviewed by a structural engineer.

ASTM Load Compliance

Classified as Light, Intermediate or Heavy Duty when tested in accordance with ASTM C635.

USG DONN® BRAND DXI® IDENTITEE® SUSPENSION SYSTEM



FEATURES AND BENEFITS

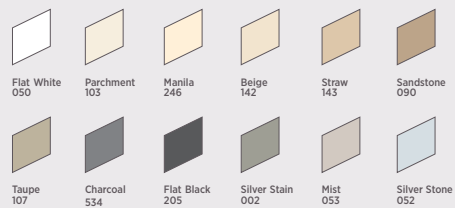
- Narrow-profile grid system with double 3.175mm reveal.
- Seamless reveal at intersections.
- Meets or exceeds all national code requirements including seismic.
- Compatible with USG Logix™ Integrated System.
- Custom colors available.
- ICC-ES evaluated for seismic installations (ESR-1222).
- G30 hot-dipped galvanized steel body and cap inhibits red rust.
- All USG Donn® Brand Identitee® DXI™ items have High Recycled Content (HRC).
- Available in metric and imperial sizes.
- Proprietary cap lance allows a variety of color and coating options to meet unique project requirements.
- Comply with CDPH 01350 V.2-2017 for low VOC emission.

APPLICATIONS

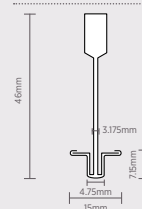
- All interior general-use areas
- USG Logix™ Integrated System

VISIT USGME.COM TO ORDER SAMPLES

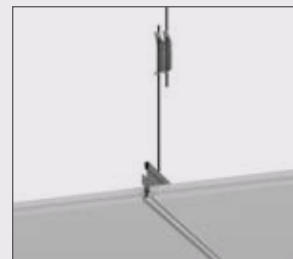
GRID COLORS



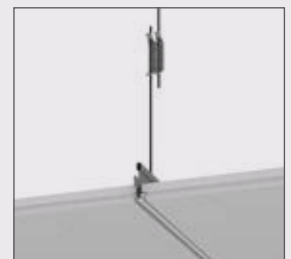
PROFILE



EDGE DETAIL



FINELINE BEVELED - FLB



FINELINE - FL

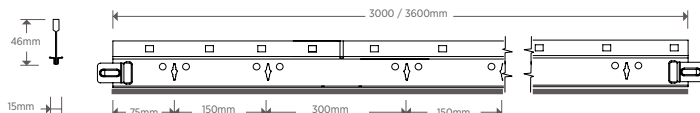
USG DONN® BRAND DXI® IDENTITEE® SUSPENSION SYSTEM

PRODUCT INFORMATION

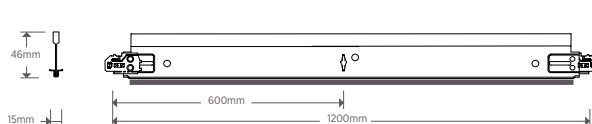
Description	Item Reference	Load*	Profile Height	Component Length
Main Runner	DXI26HRC	24KG/LM	46MM	3600/3660MM
Long Cross Tee	DXI424HRC	24KG/LM	46MM	1200/1220MM
Short Cross Tee	DXI224HRC	24KG/LM	46MM	600/610MM
Wall Angle	802MT3600		24MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

* Load of 4" hanger spacing in KG/LM and deflection limit of L/360

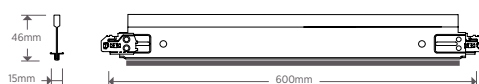
Main Runner DXI26HRC



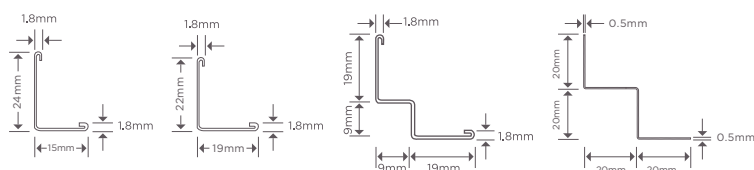
Long Cross Tee DXI424HRC



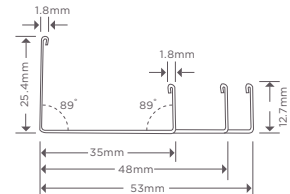
Short Cross Tee DXI224HRC



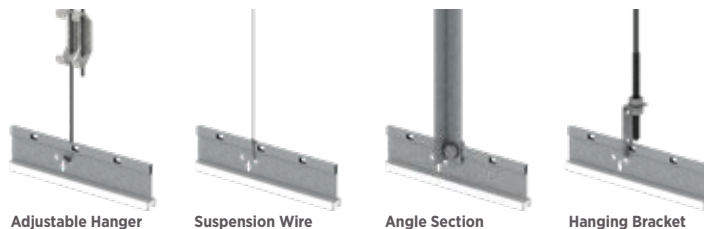
Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger

Suspension Wire

Angle Section

Hanging Bracket

PHYSICAL DATA

Material

Min. G30 hot-dipped galvanized steel body and cap. Baked-on polyester paint.

Installation

Install according to ASTM C636, ASTM E580 and USG requirements.

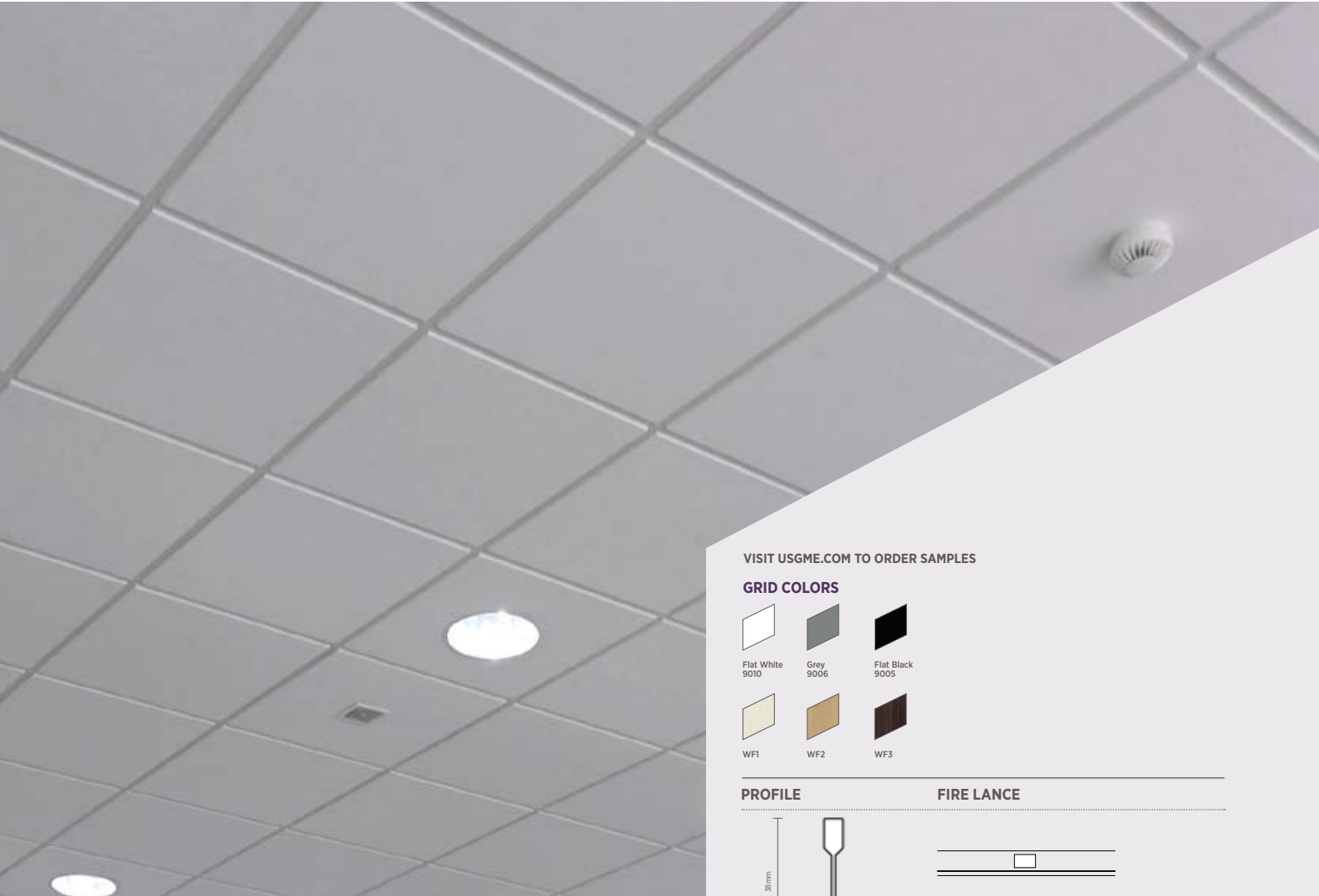
Limitations

- Please refer to USG Donn® Brand AX™ or ZXLA™ for exposed suspension systems in non-fire-rated, high-humidity applications.
- Interior applications only.

Optional accessories

- Face Sleeve Seismic expansion joints.
- Intersection Sleeve for off-module intersection.

USG ME DONN® BRAND DX®/DXL® T24 FIRE RATED SUSPENSION SYSTEM

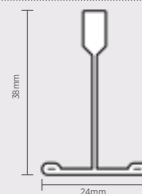


VISIT USGME.COM TO ORDER SAMPLES

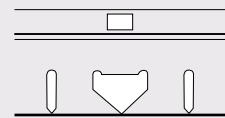
GRID COLORS



PROFILE



FIRE LANCE



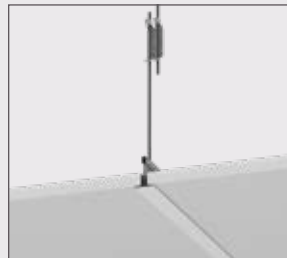
FEATURES AND BENEFITS

- Main tees are designed to expand at the fire lance in the event of a fire. This maintains the structural integrity of the ceiling and holds tiles in place.
- DONN® Brand DX®/DXL™ T24 Heavy Duty - Fire Rated features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square, SLT, and Concealed ceiling tile edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

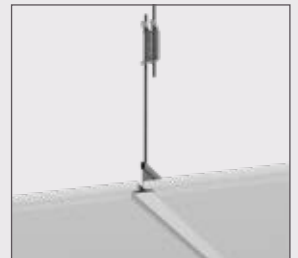
APPLICATIONS

- Fire-rated interior general-use area

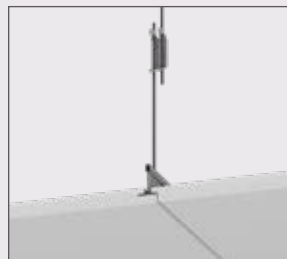
EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT



CONCEALED EDGE
(BESK, S-BESK, D-BESK)

USG ME DONN® BRAND DX®/DXL® T24 FIRE RATED SUSPENSION SYSTEM

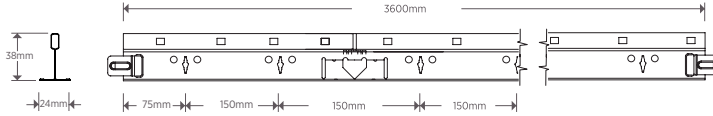


PRODUCT INFORMATION

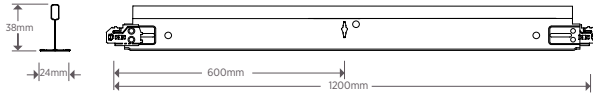
Description	Item Reference		Profile Height	Body Thickness	Component Length	Reaction To Fire*
	Metric	Imperial				
Main Runner	801DXL3600	801DXL3660	38MM	0.38MM	3600/3660MM	Class A
Long Cross Tee	803DX1200H38	803DX1220H38	38MM	0.30MM	1200/1220MM	Class A
Short Cross Tee	804DX600H38	804DX610H38	38MM	0.30MM	600/610MM	Class A
Wall Angle	802MT3600		22MM	0.50MM	3600MM	Class A
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM	Class A
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM	Class A

* As per EN 1364 : 2014 and EN 13501-1 : 2018

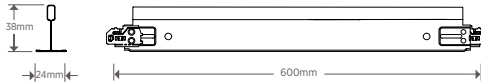
Main Runner 801DXL3600



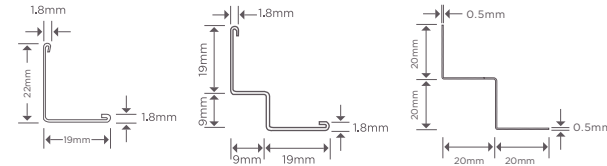
Long Cross Tee 803DX1200H38



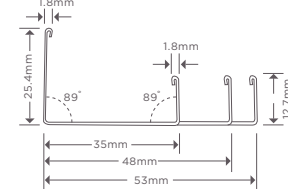
Short Cross Tee 804DX600H38



Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger Suspension Wire Angle Section Hanging Bracket

DXLH38 - T24 - Minimum Load - Carrying Capabilities of Main Runners

Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	79.45	260.5	0.339	L/360
1200	44.68	146.5	0.339	L/360
1500	35.75	117.2	0.339	L/360

** The load per m² must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

MAXIMUM ALLOWED OF TILES WEIGHT KG PER M²**

USG ME DONN® BRAND DX®/DXL® T15 CENTRICITEE-FIRE RATED SUSPENSION SYSTEM



FEATURES AND BENEFITS

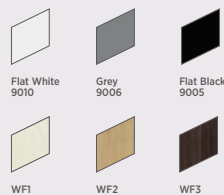
- Main tees are designed to expand at the fire lance in the event of a fire. This maintains the structural integrity of the ceiling and holds tiles in place.
- DONN® Brand DX®/DXL™ T15 Centricitee - Fire Rated features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ASTM A653 with pre-painted 15mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square, SLT, and Concealed ceiling tile edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

APPLICATIONS

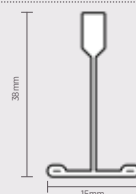
- Fire-rated interior general-use areas
- Logix™ Integrated Ceiling Systems

VISIT USGME.COM TO ORDER SAMPLES

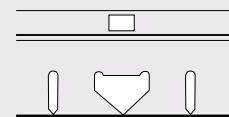
GRID COLORS



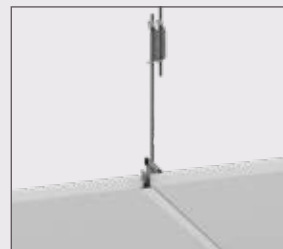
PROFILE



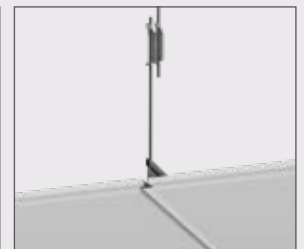
FIRE LANCE



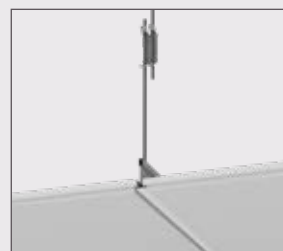
EDGE DETAIL



SQUARE EDGE - SQ



FINELINE BEVELED - FLB



FINELINE - FL

USG ME DONN® BRAND DX®/DXL® T15 CENTRICITEE- FIRE RATED SUSPENSION SYSTEM



FIRECODE



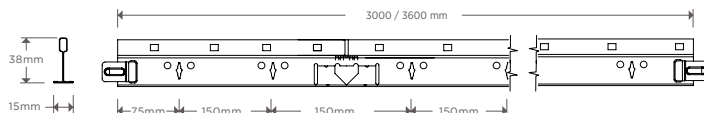
EN 13964 : 2014 + A1 : 2007

PRODUCT INFORMATION

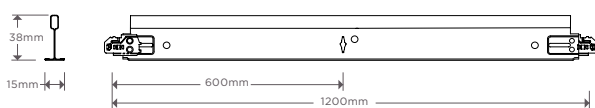
Description	Metric	Item Reference Imperial	Profile Height	Body Thickness	Component Length	Reaction To Fire*
Main Runner	801DXLT15-3600	8801DXLT15-3660	38MM	0.38MM	3600/3660MM	Class A
Long Cross Tee	803DXT15-1200H38	803DXT15-1220H38	38MM	0.30MM	1200/1220MM	Class A
Short Cross Tee	803DXT15-600H38	803DXT15-610H38	38MM	0.30MM	600/610MM	Class A
Wall Angle	802MT15-3600		24MM	0.50MM	3600MM	Class A
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM	Class A
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM	Class A

* As per EN 1364 : 2014 and EN 13501-1 : 2018

Main Runner 801DXLT15-3600



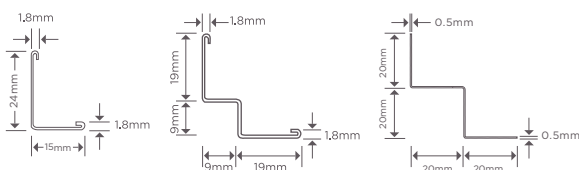
Long Cross Tee 803DXT15-1200H38



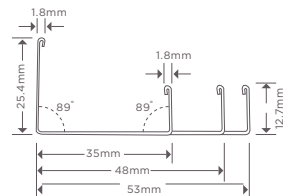
Short Cross Tee 803DXT15-600H38



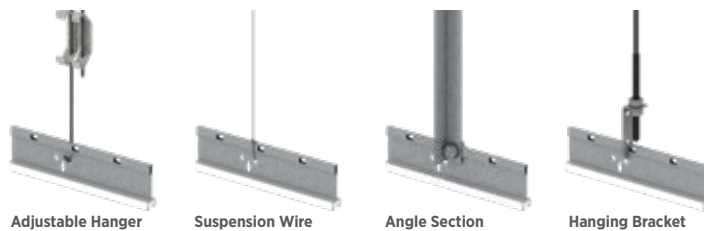
Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger

Suspension Wire

Angle Section

Hanging Bracket

MAXIMUM ALLOWED OF TILES WEIGHT KG PER M²**

DXL H38- T15 - Minimum Load - Carrying Capabilities of Main Runners				
Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	72.01	236.1	0.339	L/360
1200	40.50	132.8	0.339	L/360
1500	32.40	106.2	0.339	L/360

** The load per m² must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

USG ME DONN® BRAND DXH® 38 T24 SUSPENSION SYSTEM



FEATURES AND BENEFITS

- DONN® Brand DXH® 38 T24 Heavy Duty features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square, SLT, and Concealed ceiling tile edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

APPLICATIONS

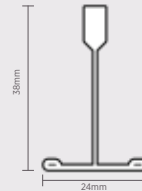
- Interior general-use areas

VISIT USGME.COM TO ORDER SAMPLES

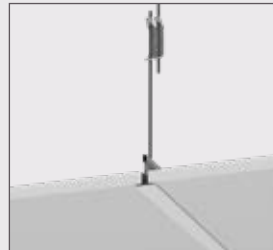
GRID COLORS



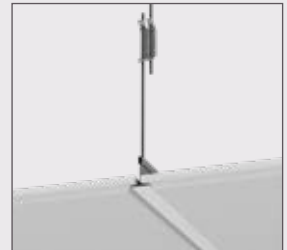
PROFILE



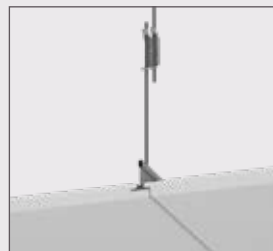
EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT



CONCEALED EDGE
(BESK, S-BESK, D-BESK)

USG ME DONN® BRAND DXH® 38 T24 SUSPENSION SYSTEM

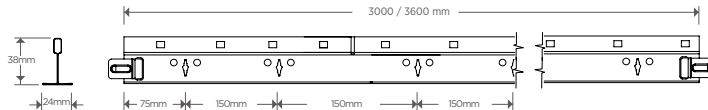


EN13964 : 2014 + A1 : 2007

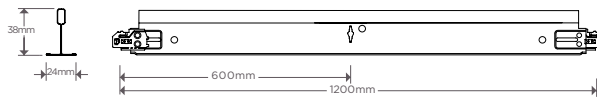
PRODUCT INFORMATION

Description	Item Reference		Profile Height	Body Thickness	Component Length
	Metric	Imperial			
Main Runner	801DX3600H38	801DX3660H38	38MM	0.30MM	3600/3660MM
Long Cross Tee	803DX1200H38	803DX1220H38	38MM	0.30MM	1200/1220MM
Short Cross Tee	804DX600H38	804DX610H38	38MM	0.30MM	600/610MM
Wall Angle	802MT3600		22MM	0.50MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM

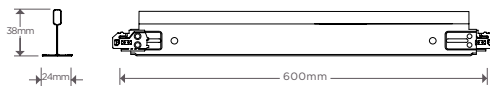
Main Runner 801DX3600H38



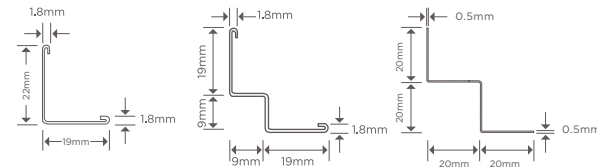
Long Cross Tee 803DX1200H38



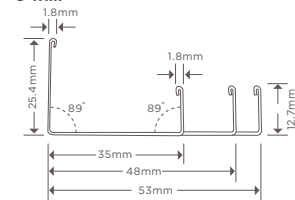
Short Cross Tee 804DX600H38



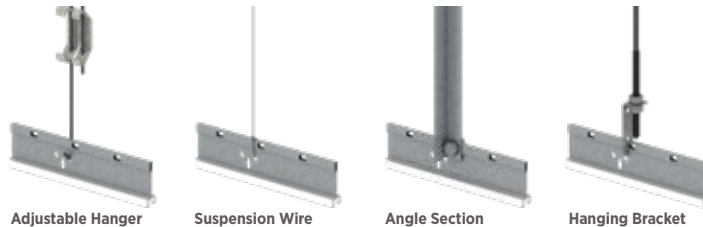
Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger

Suspension Wire

Angle Section

Hanging Bracket

MAXIMUM ALLOWED OF TILES WEIGHT KG PER M²*

DXH 38 - T24 - Minimum Load - Carrying Capabilities of Main Runners				
Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	66.43	217.8	0.339	L/360
1200	37.36	122.5	0.339	L/360
1500	29.89	98.0	0.339	L/360

* The load per m² must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

USG DONN® BRAND AX™/AXCE™ SUSPENSION SYSTEM (ALUMINIUM)



FEATURES AND BENEFITS

- Meets 2018 Guidelines For Healthcare Facilities.
- Noncorrosive aluminium 24mm exposed grid system with stainless steel clip, ideal for high-humidity or wet-cleaned areas.
- Capable of withstanding cleaning and/or disinfecting chemicals as tested in accordance with ASTM D5402.
- Tested for environmental conditions in accordance with ASTM C635.
- Aluminum components can be used in nonmagnetic environments and meet USDA/FSIS requirements.
- Cross-tee override-ends resist twisting and give a professionally finished look.
- Proprietary stainless steel Quick-Release™ clip.
- Up to 90% recycled content.
- Factory applied, white closed cell foam gasket.

APPLICATIONS

- Healthcare facilities, restricted and semi-restricted areas
- MRI rooms
- Magnetic-free zones
- High-humidity areas
- Food processing areas
- Certified to meet ISO 14644-1 Class 5 (Fed. Standard 209E Class 100)

VISIT USGME.COM TO ORDER SAMPLES

GRID COLORS

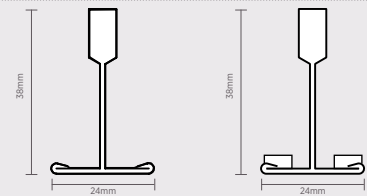


Flat White
050

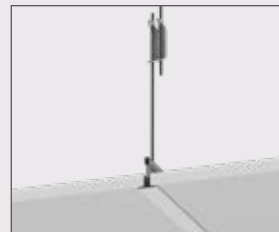
PROFILE

USG DONN® BRAND AX™

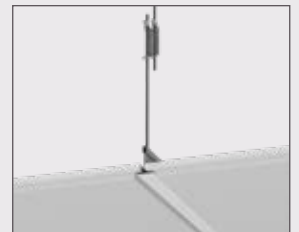
USG DONN® BRAND AXCE™



EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT

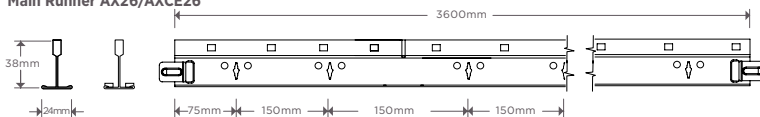
USG DONN® BRAND AX™/AXCE™ SUSPENSION SYSTEM (ALUMINIUM)

PRODUCT INFORMATION

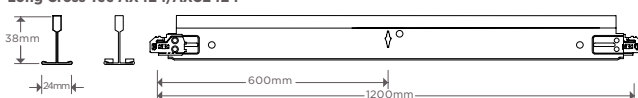
Description	Item Reference	Load*	Profile Height	Component Length
Main Runner	AX26/AXCE26	10.5KG/LM	38MM	3600/3660MM
Long Cross Tee	AX424/AXCE424		38MM	1200/1220MM
Short Cross Tee	AX224/AXCE224		38MM	600/610MM
Wall Angle	M7A/ M7ACE		22MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

* Load of 4" hanger spacing in KG/LM and deflection limit of L/360

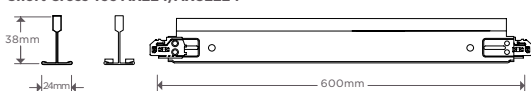
Main Runner AX26/AXCE26



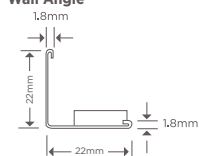
Long Cross Tee AX424/AXCE424



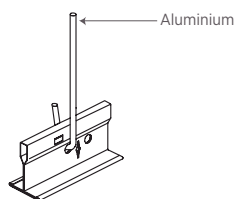
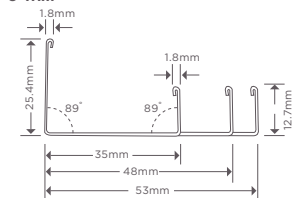
Short Cross Tee AX224/AXCE224



Wall Angle



U-Trim



Adjustable Hanger

SUSPENSION OPTIONS

PHYSICAL DATA

Material

Double-web aluminium tee with aluminium cap and stainless steel Quick-Release™ clip. Baked-on polyester paint or powder-coated finish.

Installation

Install according to ASTM C636, ASTM E580 and USG requirements.

Limitations

- Non-fire-rated applications only. Finish is not UV-resistant; should not be installed with direct exposure to sun or weather.
- Indirect exposure to severe environmental conditions may shorten the lifespan of the product.
- The gasket face applied to USG Donn® Brand AXCE™ contains a protective strip that must be removed prior to panel installation.
- The standard gasket is not recommended for installations with metal panels.
- If metal panels are desired, a special gasket suitable for metal panels may be applied to the USG Donn® Brand DXACE™ suspension system through special order.

ASTM Load Compliance

Classified as Light, Intermediate or Heavy Duty when tested in accordance with ASTM C635.

USG DONN® BRAND CE® SUSPENSION SYSTEM



FEATURES AND BENEFITS

- Meets 2018 Guidelines for Healthcare Facilities.
- Grid system with factory-applied white, closed-cell foam gaskets for controlled-environments.
- Min. G30 hot-dipped galvanized body provides corrosion protection.
- Supports Clean Room HEPA filters and lights.
- ICC-ES evaluated for building code compliance and seismic installations (ICC-ESR-1222).
- Capable of withstanding cleaning and/or disinfecting chemicals as tested in accordance with ASTM D402.

APPLICATIONS

- Clean Rooms
- Hospitals
- Food processing areas
- Healthcare facilities, restricted and semi-restricted areas
- Certified to meet ISO 14644-1 Class 5-8 (Fed. Standard 209E Class 100- 100,000)

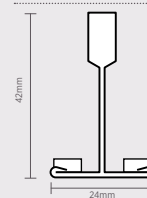
VISIT USGME.COM TO ORDER SAMPLES

GRID COLORS

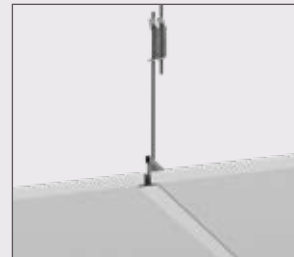


Flat White
050

PROFILE



EDGE DETAIL



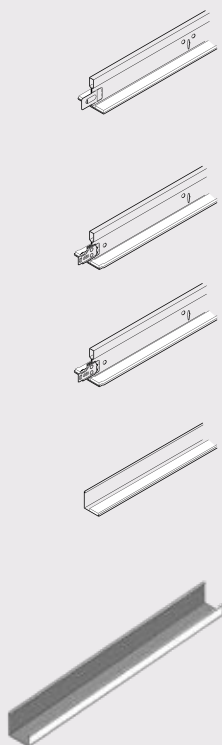
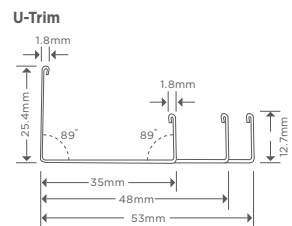
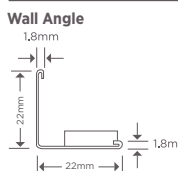
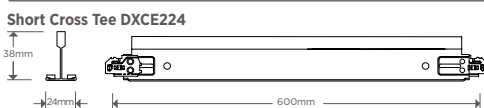
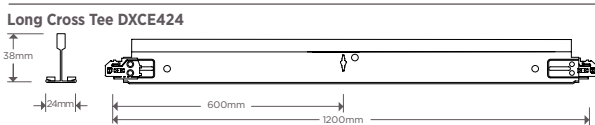
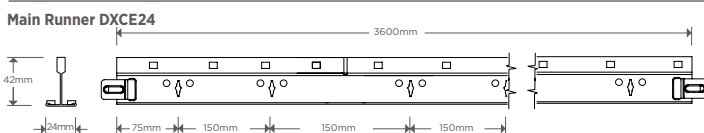
SQUARE EDGE - SQ

USG DONN® BRAND CE® SUSPENSION SYSTEM

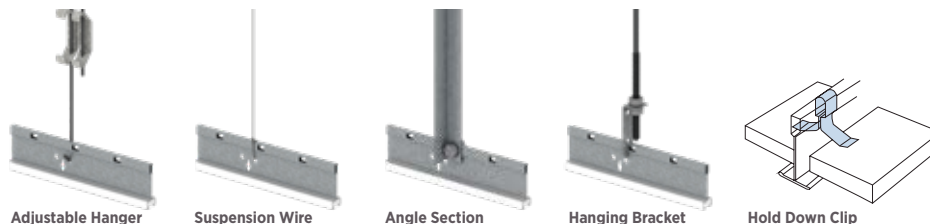
PRODUCT INFORMATION

Description	Item Reference	Load *	Profile Height	Component Length
Main Runner	DXCE24	17.75KG/LM	42MM	3600/3660MM
Long Cross Tee	DXCE424		38MM	1200/1220MM
Short Cross Tee	DXCE224		38MM	600/610MM
Wall Angle	M7CE		22MM	3660MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	3000MM

* Load of 4" hanger spacing in KG/LM and deflection limit of L/360



SUSPENSION OPTIONS



Material

Min. G30 hot-dipped galvanized steel body and cap. Baked-on polyester paint.

Installation

Install according to ASTM C636, ASTM E580 and USG requirements. Class 5-8 (Fed. Standard 209E Class 100-100,000) installations require hold-down clips. Install a L15 hold-down clip within 76mm of each panel corner. For a 610mm x 1220mm system install an additional L15 hold-down clip centered on the 1220mm side. Border panels shall have a C-8 hold-down clip within 76mm of each panel corner. For a 610mm x 1220mm system install an additional C-8 hold-down clip centered on the 1220mm side. Alternative assemblies and installation methods may be utilized when approved by the authority having jurisdiction.

Limitations

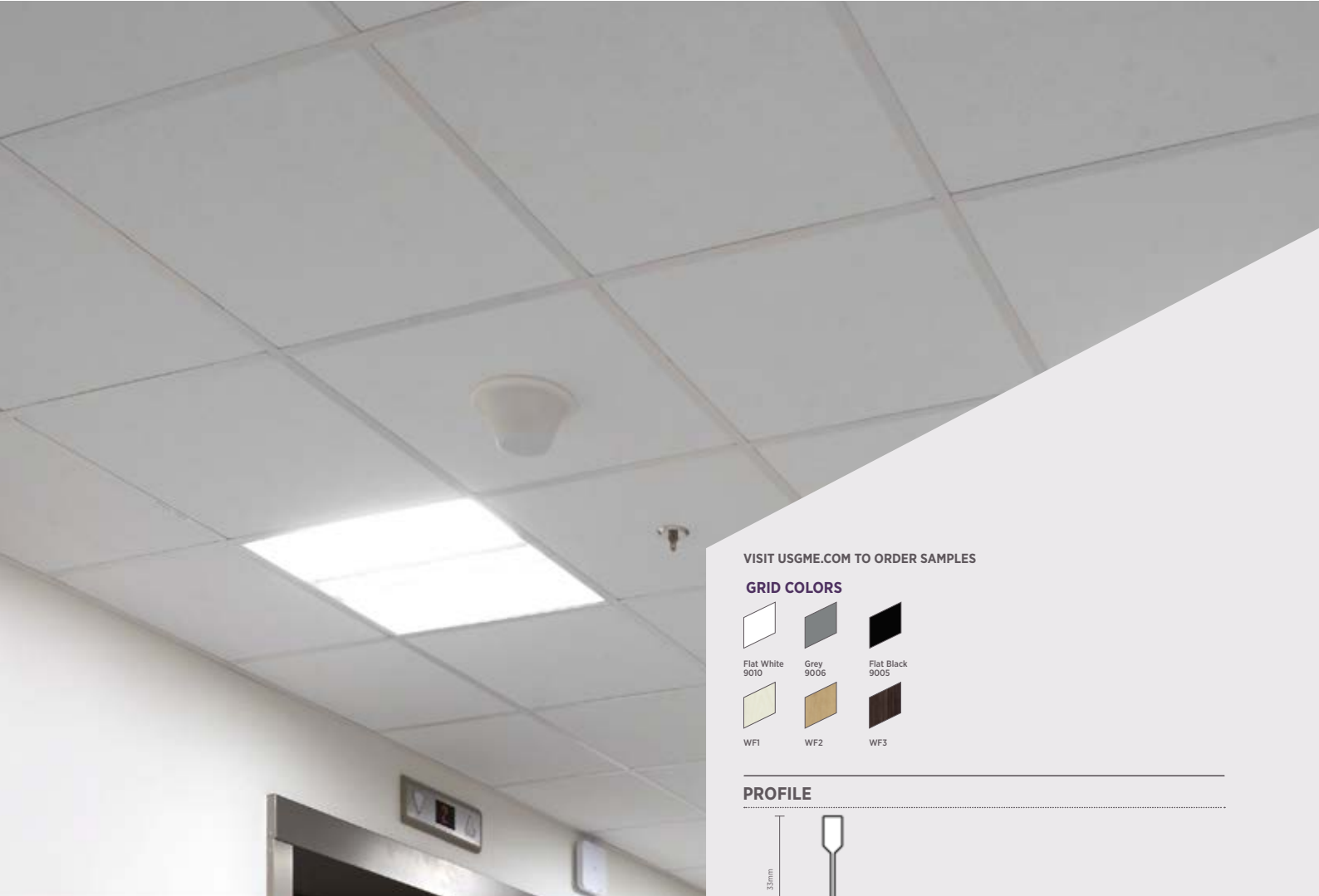
- Interior applications only.
- The gasket face contains a protective strip that must be removed prior to panel installation.
- The standard gasket is not recommended for installations with metal panels.
- If metal panels are desired, a special gasket suitable for metal panels may be applied to the USG Donn® Brand CE™ Acoustical Suspension System through special order.

ASTM Load Compliance

Classified as Light, Intermediate or Heavy Duty when tested in accordance with ASTM C635.

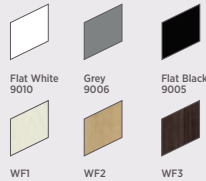
PHYSICAL DATA

USG ME DONN® BRAND DX®/DXH® 33 T24 SUSPENSION SYSTEM

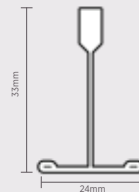


VISIT USGME.COM TO ORDER SAMPLES

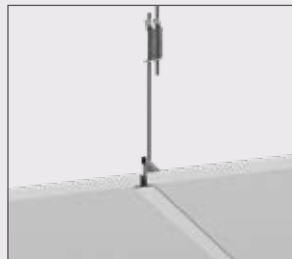
GRID COLORS



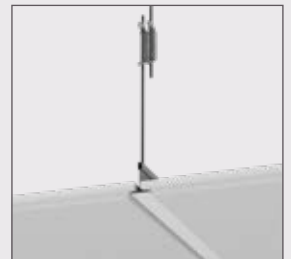
PROFILE



EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT

FEATURES AND BENEFITS

- DONN® Brand DX®/DXH® 33 T24 features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Patented QUICK-RELEASE™ clip design: demountable without tools.
- Compatible with Square and SLT ceiling tiles edges.
- Audible Click means you know when tees are connected.
- Exceeds load compliance specifications as per ASTM C 635.
- Available in metric and imperial sizes.

APPLICATIONS

- Interior general-use areas
- Logix™ Integrated Ceiling Systems

USG ME DONN® BRAND DX®/DXH® 33 T24 SUSPENSION SYSTEM



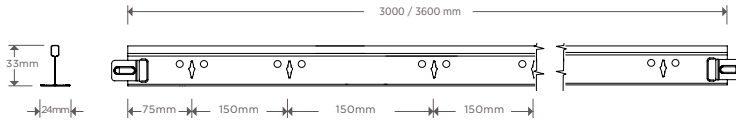
EN 13964 : 2014 + A1 : 2007

PRODUCT INFORMATION

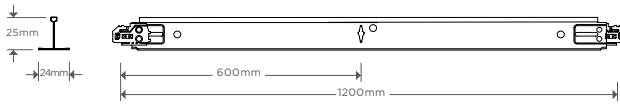
Description	Item Reference		Profile Height	Body Thickness	Component Length	Reaction To Fire*
	Metric	Imperial				
Main Runner	801DX3600H33	DX3660H33	33MM	0.30MM	3600/3660MM	Class A
Long Cross Tee	803DX1200H25	803DX1220H25	25MM	0.30MM	1200/1220MM	Class A
Short Cross Tee	803DX600H25	803DX610H25	25MM	0.30MM	600/610MM	Class A
Wall Angle	802MT3600		22MM	0.50MM	3600MM	Class A
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.50MM	3600MM	Class A
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.50MM	3000MM	Class A

* As per EN 1364 : 2014 and EN 13501-1 : 2018

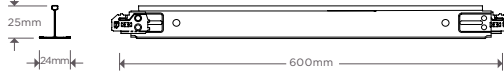
Main Runner 801DX3600H33



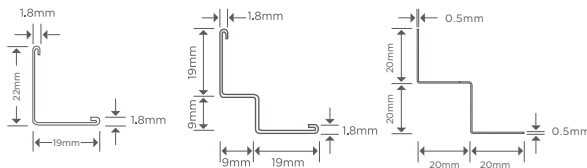
Long Cross Tee 803DX1200H25



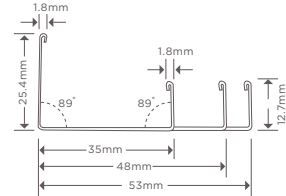
Short Cross Tee 803DX600H25



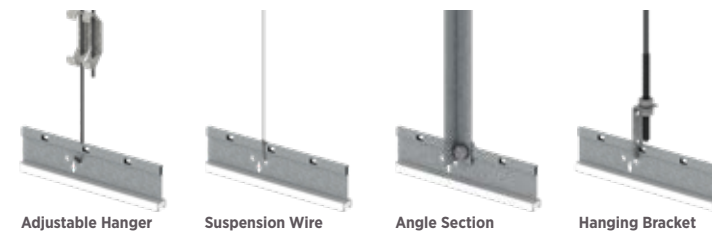
Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger

Suspension Wire

Angle Section

Hanging Bracket

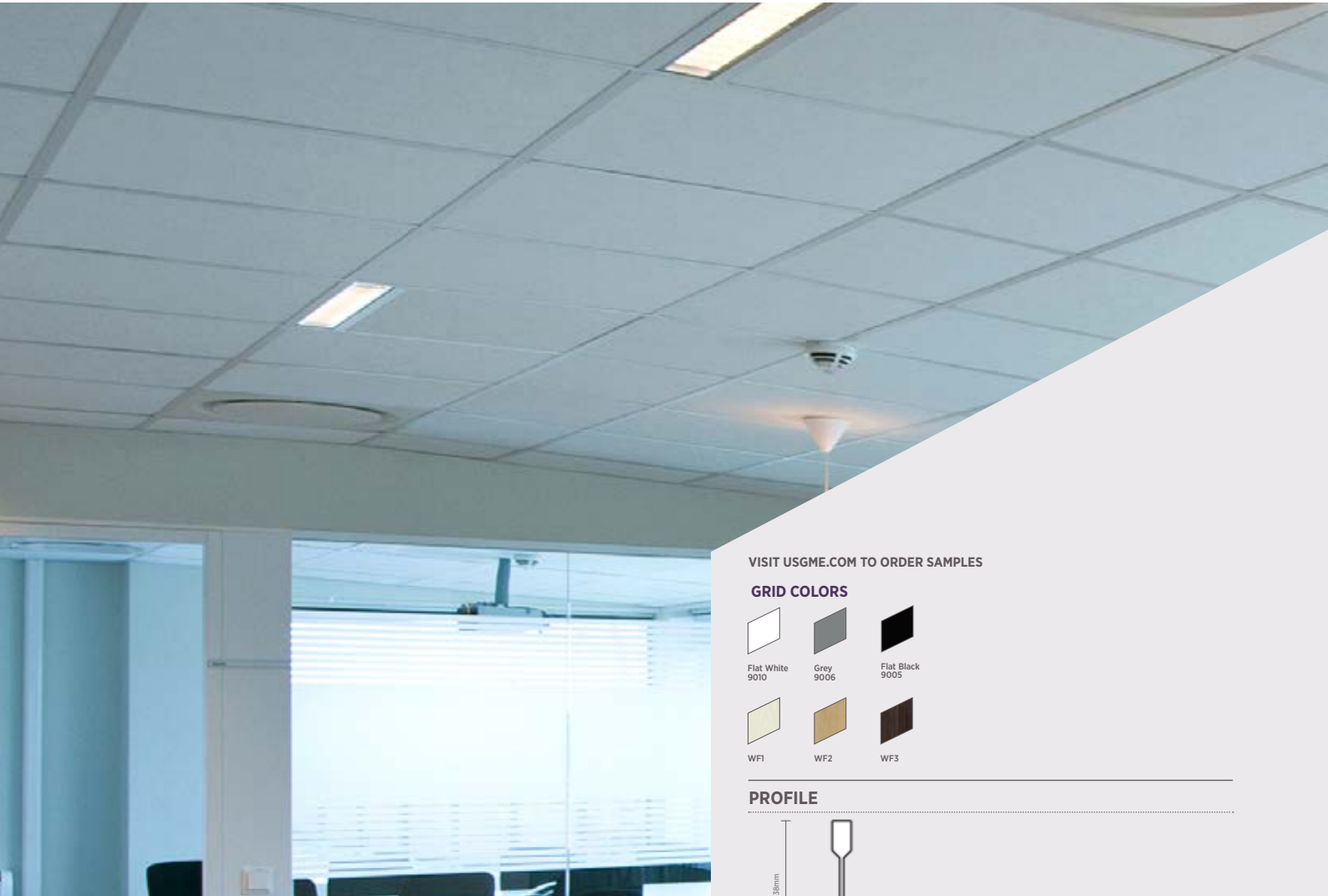
MAXIMUM ALLOWED OF TILES WEIGHT KG PER M²**

DXH 33 - T24 - Minimum Load - Carrying Capabilities of Main Runners				
Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	45.90	150.5	0.339	L/360
1200	25.82	84.7	0.339	L/360
1500	20.65	67.7	0.339	L/360

* The load per m² must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

USG ME BRAND QUADRA T24 SAFE CEILING CARRIER

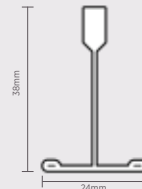


VISIT USGME.COM TO ORDER SAMPLES

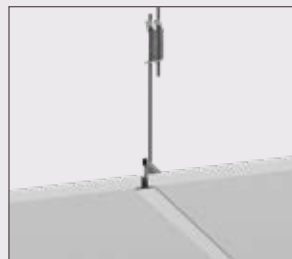
GRID COLORS



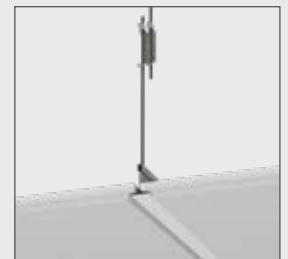
PROFILE



EDGE DETAIL



SQUARE EDGE - SQ



SHADOWLINE TAPERED - SLT

FEATURES AND BENEFITS

- USG ME Brand QUADRA T24 Safe Ceiling Carrier features a body and cap made of G30 hot-dip galvanized steel as per EN 10346/ ASTM A653 with pre-painted 24mm width capping to ensure that the cap remains clean and rust-free.
- Four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an Independent laboratory.
- Safe, fast and simple to install & easily accessible.
- Maximum economy and design simplicity.
- Cross-tees with override-ends resist twisting and give professionally finished look with no exposed steel edges.
- Compatible with Square, SLT ceiling tile edges.
- Exceeds load compliance specifications as per ASTM C 635.
- Tees are stitched on the web for additional load bearing capacity.
- Available in metric and imperial sizes.

APPLICATIONS

- Interior general-use areas

USG ME BRAND QUADRA T24 SAFE CEILING CARRIER

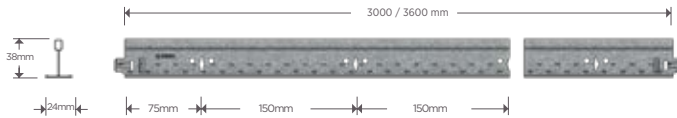


EN 13964 : 2014 + A1 : 2007

PRODUCT INFORMATION

Description	Metric	Item Reference Imperial	Profile Height	Body Thickness	Component Length
Main Runner	801Q3600H38	Q3660H38	38MM	0.3MM	3600/3660MM
Long Cross Tee	803Q1200H25	Q1220H25	24.5MM	0.28MM	1200/1220MM
Short Cross Tee	804Q600H25	Q610H25	24.5MM	0.28MM	600/610MM
Wall Angle	802MT3600		22MM	0.4MM	3600MM
Wall Angle Shadowline	802MS3600 - 802MS164L		19/9MM - 20/20MM	0.4MM	3600MM
U-Trim	UT123525 - UT124825 - UT125325		25.4/12.7MM	0.4MM	3000MM

Main Runner 801Q3600H38/Q3660H38



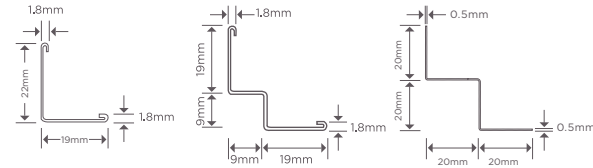
Long Cross Tee 803Q1200H25/Q1220H25



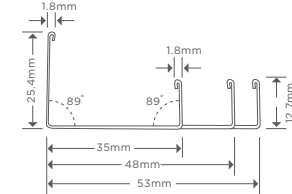
Short Cross Tee 804Q600H25/Q610H25



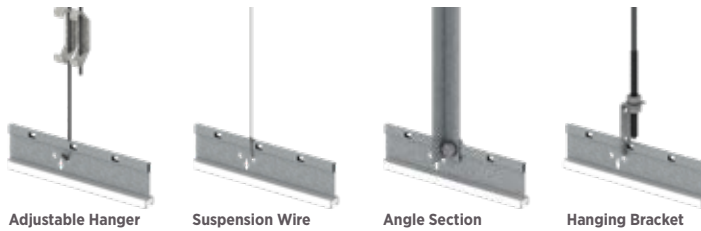
Wall Angle



U-Trim



SUSPENSION OPTIONS



Adjustable Hanger

Suspension Wire

Angle Section

Hanging Bracket

DX QUADRA - T24 - Minimum Load - Carrying Capabilities of Main Runners

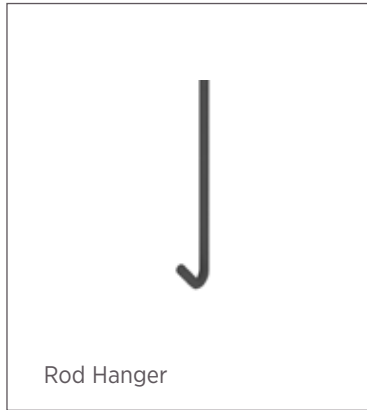
Hanger distance (mm)	Applied Load (N)	Equivalent Uniform Load (N/M)	Allowable Midspan Deflection (mm)	Deflection Limit
900	61.71	202.3	0.339	L/360
1200	34.71	113.8	0.339	L/360
1500	27.77	91.0	0.339	L/360

* The load per m² must be distributed uniformly (no point loads) over the ceiling area. After loading, the deflection of any grid component will remain within the maximum deflection per span.

Please consult USG ME for layouts, load or hanger distance.

MAXIMUM ALLOWED OF TILES WEIGHT KG PER M²**

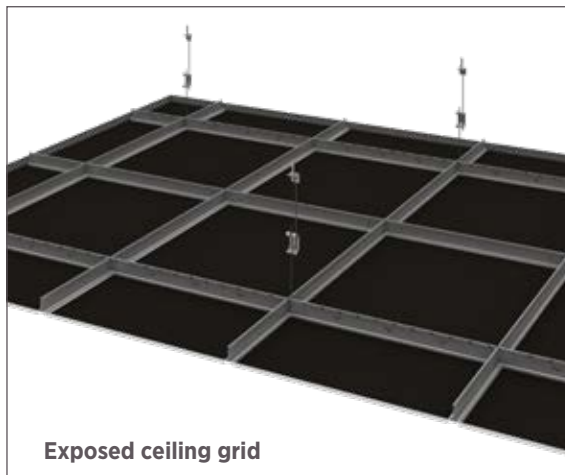
ROD HANGER & ADJUSTABLE BUTTERFLY CLIP



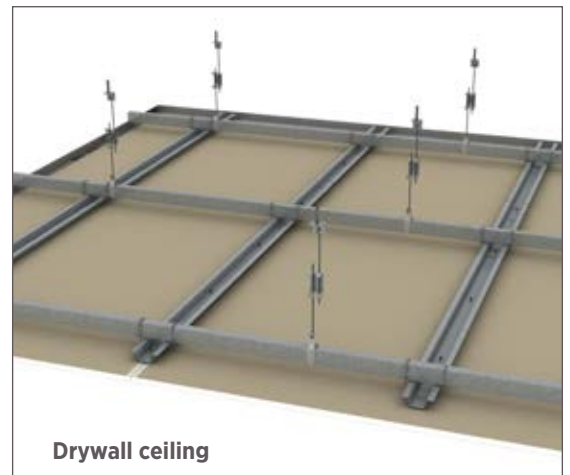
Rod Hanger



Butterfly Clip



Exposed ceiling grid



Drywall ceiling

DESCRIPTION

Adjustable rod hanger system consists of top and bottom rod hangers with butterfly adjustment clip. The system is used to hang the suspension systems for the exposed ceiling grid and Drywall ceiling.

MATERIALS

Rod Hangers:

- Made from Galvanized Carbon Steel Wire
- Zinc Coating by Hot-Dip Process
- Wire Diameter 2.67, 3.5 and 3.75 mm
- Dynamic Load 250 N
- Length 250 mm to 3000 mm

Adjustable Butterfly Clip:

- Stainless steel SUS 304H 0.5 mm (Gauge 25) thick Spring Steel
- Size: 18 mm x 30 mm x 55 mm
- Holes Diameter: 4 mm

MECHANICAL PROPERTIES

Rod Hangers Diameter (mm)	Section Area (mm ²)	Yield Strength (N/mm ²)	Steel Mechanical Properties Tensile Strength (N/mm ²)	Elongation (%)	Coating Weight (gms/m ²)
2.67	5.599	275-300	410.0	21.0	125.0
3.50	9.621	275-300	414.0	21.0	125.0
3.75	11.044	275-300	436.0	21.0	125.0

NUMBER OF HANGERS PER 100 M²

- Space at 1200 x 1200mm 70 Sets for 100m² exposed ceiling grid.
- Space at 1200 x 600mm 140 Sets for 100m² exposed ceiling grid.

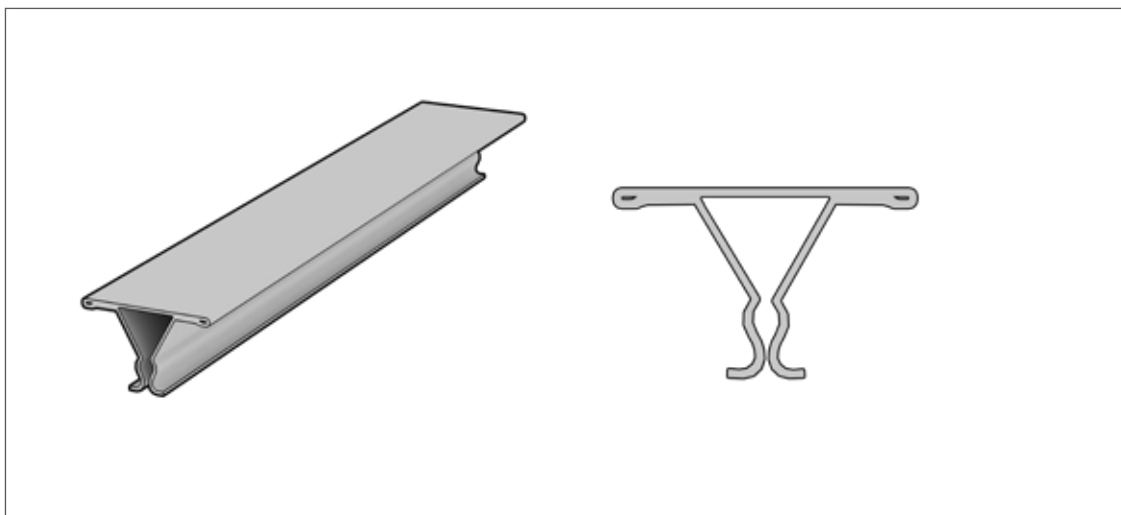
PACKAGING

- Top and Bottom Hanger 100 Pcs./ Bundle.
- Adjustable Butterfly Clip 500 Pcs./Box.

STORAGE

- Keep away from water, dust, and fire.
- Protect from corrosive chemicals.

SPRING T FOR METAL CEILING PANELS



PRODUCT CATEGORY

Spring T Channels are concealed and attached to main primary channels through wire connecting clips. Their main role is to clamp the edge of the ceiling panels tightly at a defined interval.

DIMENSIONS

Thickness: 0.50, 0.55 and 0.60 mm
Length: 3,000 mm standard
Width: 41.6 mm
Height: 41.6 x 25 mm

MATERIAL PROPERTIES

Yield stress, FY 33 ksi Ultimate, with G40-G90 Zinc coating

ASTM & CODE STANDARDS

- Spring T Channels are produced to meet or exceed ASTM C635
- Galvanized sheet steel meets or exceeds requirements of ASTM A-653

SECTION & MATERIAL PROPERTIES TABLE NOTES

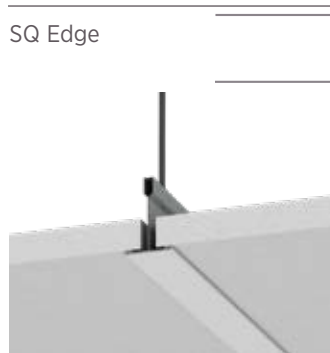
Type	Thickness (mm)	Spring T Cross Section Height (mm)	Spring T Depth (mm)	Section Area (mm ²)	Centroid (mm)	Moment of inertia(Ixx) (mm ⁴)	Section Modulus (Sx)(mm ³)	Radius of Gyration (mm)	Steel Mechanical Properties		
									Yield strength N/mm ²	Tensile strength N/mm ²	Elongation (%)
Spring T	0.50	41.60	25	63	8.75	5,062.00	289.15	8.96	297-308	366-372	29-30
	0.55			69.3	8.76	5,524.00	315.80	8.93	297-308	366-372	30-31
	0.60			75.6	8.76	5,978.00	342.13	8.89	297-308	366-372	30-31



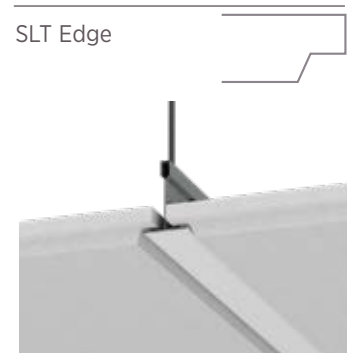
**GREAT
DESIGNS
FOR ALL
APPLICATIONS**

EDGE DETAILS

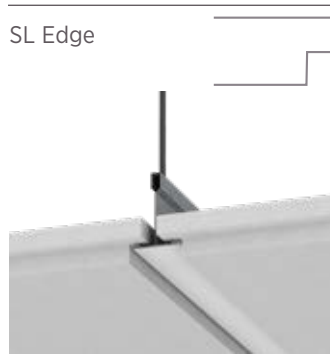
SQ Edge



SLT Edge



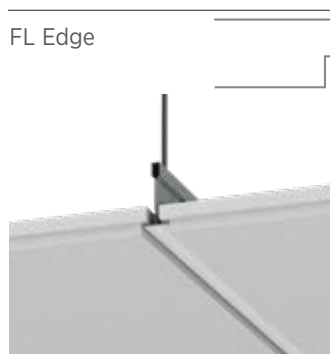
SL Edge



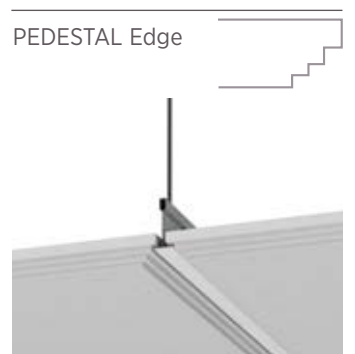
FLB Edge



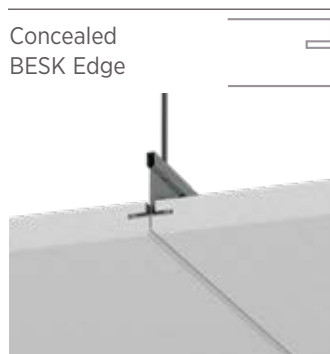
FL Edge



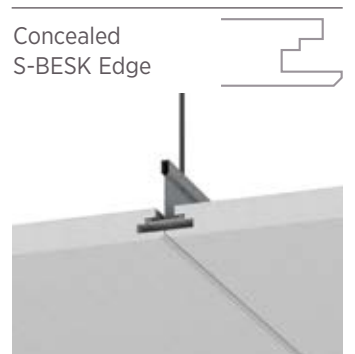
PEDESTAL Edge



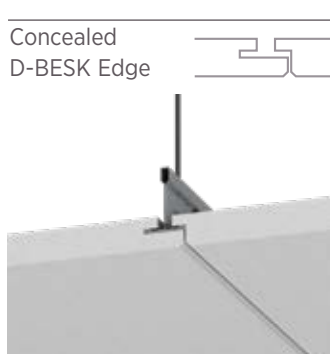
Concealed
BESK Edge



Concealed
S-BESK Edge




















































Concealed
D-BESK Edge



ACOUSTICAL CEILING TILE EDGE DETAILS

DONN® and Quadra are the most widely specified grids in Middle East. They include a wide range of profiles and colors and are fully compatible with all USG ME ceiling tiles as well as most third party brands. Precision design and quality manufacturing ensure both structural and aesthetic integrity in all ceiling designs.

USG ME offers the following suspension system and edge detail options. Select a suspension system and match it with a corresponding panel edge detail, or vice versa, to assure proper system fit and assembly.

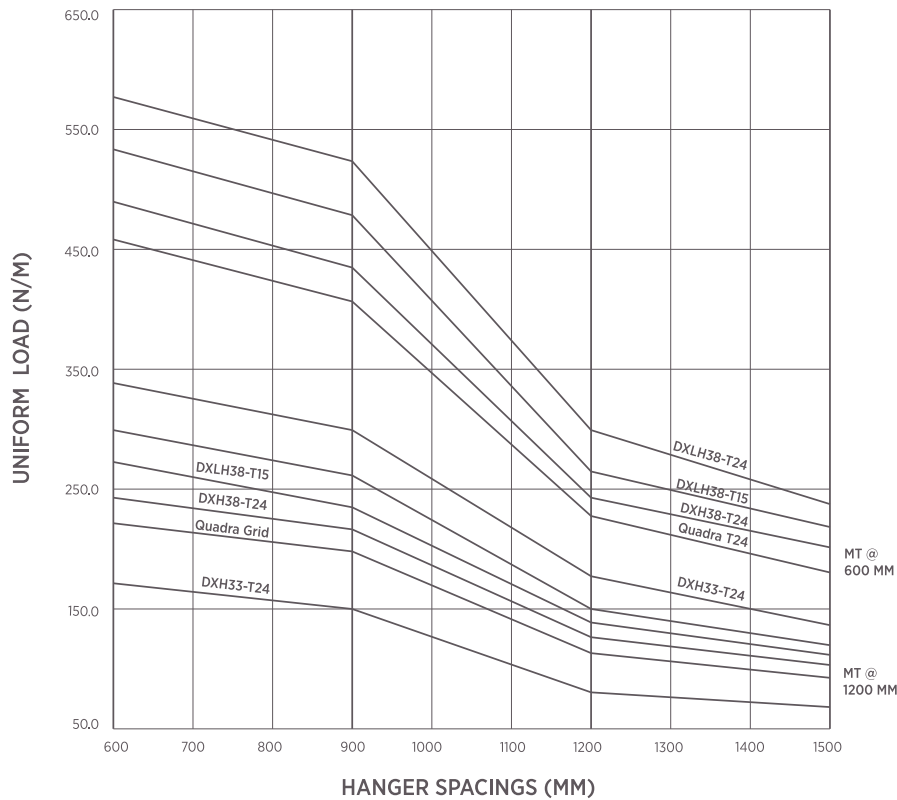
EDGE DETAIL		SQ Edge	SLT Edge	SL Edge	FLB Edge	FL Edge	Pedestal	Concealed BESK Edge	Concealed S-BESK Edge	Concealed D-BESK Edge
GRID SYSTEM										
DX [®] /DXL™ T24 QUADRA										
DX [®] /DXH™ 33 T24										
DX [®] /DXH™ 38 T24										
DX [®] /DXL™ T24 FIRE RATED										
DX [®] /DXL™ T15 CENTRICITEE										
AX™/AXCE™										
CE™										
FINELINE [®] DXF™/DXLF™										
IDENTITEE [®] DXI™										
DONN [®] CONCEALED T,Z										
DONN CONCEALED C,L										

DONN® SUSPENSION SYSTEM LOADINGS

Use of Maximum Allowable Gross Ceiling Weight Charts:

- Determine the maximum allowable ceiling weight for the chosen Main Tee and hanger spacing from Graph.
- Determine the maximum allowable ceiling weight for the chosen Cross Tee spacing from table.
- The maximum allowable gross weight is the lower of the values from step 1 and 2.
- Note that any heavy lighting or other mechanical fixtures should be independently supported.
- Seismic considerations for in-plane loads may take precedence in determining the required section (refer USG ME Representative for details).

MAIN TEE



Minimum load carrying capabilities of main runners spaced at 1200mm and 600mm On Center.

DONN® DX Main Tee	Point Load KG hanger spacing - 600mm OC	Point Load KG hanger spacing - 1200mm OC
DX3600H38	15.65	7.9
DX3600H33	10.35	5.5

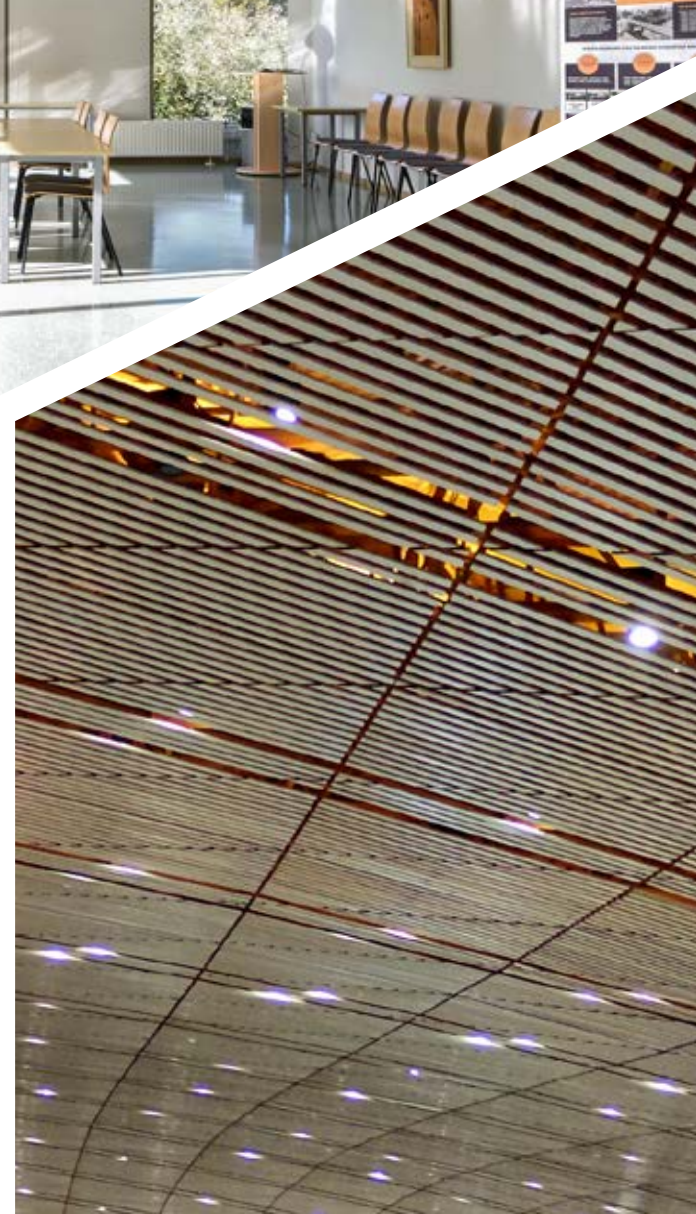
Point loads are loads that transfer to a Tee at a single point (or several points) over a very small area. The weakest point is assumed to be mid span. The maximum allowable point load is the lesser of either main or cross Tee values.

CROSS TEE

DONN® DX	Cross Tee Spacing	
	600mm	1200mm
Cross Tee Type		
DX600H25	40	20
DX1200H38	80	40
DX1200H25	40	20

Notes:

- Values are based on simple span tests in accordance with recognized International Standard ASTM C635. Higher values can often be attained by allowing for the effect of continuous spans, the actual increase being subject to span arrangements.
- For cross-nogged configurations e.g.: where a 1200x600 mm panel runs parallel with the main tee, the spacing values should be used as for 1200x1200mm module.
- Main tees are based on a 1200mm span, creating a 600x600mm configuration does not significantly increase load carrying limits.



DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

Since 1957 DONN® brand suspension systems have set the standard, using the strongest gauge steel to produce the tightest systems available with the greatest lateral and torsional stiffness. Building on this commitment to quality, USG teamed with the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley to conduct full-scale seismic testing to evaluate and qualify the seismic performance of these systems. This testing proved that DONN® suspension systems provide a superior code-compliant solution to meeting International Building Code (IBC) requirements, including installations in Categories D, E and F, and Category C. USG is the only manufacturer to team with two separate earthquake engineering laboratories to qualify the performance of our systems.

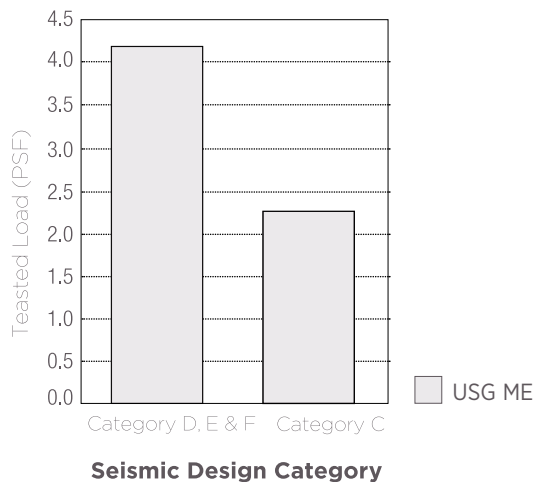
When seismic requirements are a critical design issue, architects, contractors and building officials can rely on DONN® suspension systems to:

- Meet or exceed all national code requirements with 22mm wall molding.
- Fulfill requirements for IBC seismic design categories C, D, E, and F.
- Provide evidence of compliance (and greatly exceed) ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC308 requirements.
- Offer an aesthetically attractive option to traditional 5mm angle molding.
- Provide approved solutions certified with the maximum m². weights accommodating complete ceilings systems.
- Offer compliant systems tested and verified by two separate earthquake engineering laboratories.
- Offer a seismic clip laboratory-tested to greatly exceed all structural requirements including tension, compression & tee fallout.

SEISMIC QUALIFICATION / SPECIFICATIONS

Seismic testing typically focuses primarily on the suspension system itself. Any ceiling panel can be installed in the test assembly regardless of how little it weighs, and components such as light fixtures and air handling equipment are usually excluded. In practical application, however, the suspension system must support and carry the weight of a fully functional ceiling system, including ceiling panels that can weigh as much as 1kg m²/sq. Therefore, USG tested suspension systems with weights commensurate with those found in real-world installations, including light fixtures and air handling equipment, using a wide variety of the ceiling panels that USG ME offers. Full-scale testing performed at the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley certifies that USG ME IBC-compliant assemblies are able to accommodate loads commensurate with those found in real-world installations.

Maximum Ceiling System Weight Tested



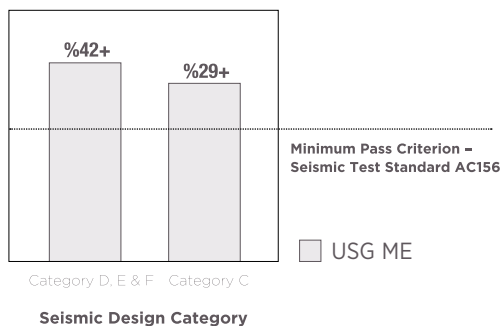
DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

The USG figures presented are based on full-scale testing and evaluation performed at the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley. Comparative data obtained from public sources includes ICC-ES Reports, product literature and Web sites.

TESTING

A complete range of USG ceiling systems was subjected to various levels of earthquake acceleration levels for the purpose of seismic qualification. The experimental studies were performed in the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering • Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley using an earthquake simulator. System performance was certified to tolerate forces in seismic Categories D, E and F that exceeded the minimum pass criterion of AC156 and AC368 by 42%.

USG ME Exceeds AC156 Test Criteria



Testing per ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368:

System Design	Seismic Design Category	Maximum Ceiling System Weight Tested	Allowed Suspension System Load Carrying Capacity	Test Result
System DXL-H	D,E,F	12.2 kg/m ²	Heavy Duty	Passed
System DXL-I-C	C	11 kg/m ²	Intermediate Duty	Passed

- With these certified IBC-compliant assemblies, USG ME is the only manufacturer to offer:
- A seismic system that exceeds the minimum pass criterion of AC156 and AC368 by more than 42%.
 - Seismic-system weights commensurate with typical ceiling systems.
 - A seismic clip laboratory-tested to greatly exceed all structural and seismic requirements including tension, compression and tee fallout.
 - Compliant systems tested and verified by two separate earthquake engineering laboratories.

CODE APPROVAL

Testing and evaluation performed at the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the Earthquake Engineering Research Center (EERC) University of California, Berkeley qualify the performance of these systems according to the AC156 – Seismic Qualification Specification, and AC368 – Acceptance Criteria for Suspended Ceiling Framing Systems. Several alternative materials, designs and methods of construction were evaluated and tested. Results of this investigation indicate that these tested alternative designs are at least the equivalent of that prescribed in the code for quality, strength, effectiveness, fire resistance, durability and safety. The data and test results presented provide technical evidence on which a code official can base approval. Construction details for these systems are shown on the following pages.

DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

SEISMIC TEST RESULTS

System Design	System DXL-H	System DXL-I-C
Seismic Category	D, E, F	D, E, F
Suspension System	DONN® double-web, galvanized steel meeting or hot-dipped exceeding ASTM C635	DONN® double-web, hot-dipped galvanized steel meeting or exceeding ASTM C635
Duty rating	Heavy Duty	Heavy Duty
Wall molding	22mm	22mm
Seismic Clip	ACM7	ACM7
Shake Table	Six degrees of freedom	Six degrees of freedom
Test Protocol	Simulated earthquake	Simulated earthquake
Qualification	AC156 and AC368	AC156 and AC368
Result	Passed	Passed
Minimum Acceleration Requirement	Exceeds by 42%	Exceeds by 42%
Two Adjacent Floating Sides - With Gap	Fastener attachment to tee through slot (optional), no fastener through wall molding	Fastener attachment to tee through slot (optional), no fastener through wall molding
Two Adjacent Fixed Sides - Tight, No Gap	Fastener attachment to tee (optional), one fastener through wall molding (optional)	Fastener attachment to tee (optional), one fastener through wall molding (optional)
Perimeter Wires	Yes	Yes
Stabilizer Bars	No	No
System Weight	12.2kg/m ²	12.2kg/m ²

Convenience holes located in the tee bulb may be used for any and all hanger wires. Load tests performed on 12-gauge hanger wires through convenience holes found the failure to be in excess of 180kg. This far exceeds the required 90kg. The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

SYSTEMS SUMMARY

	Category D,E,F Alternate Seismic Application	Standard Seismic Application
	DXL-H	
	Heavy Duty DXL-H System 22mm Molding	Heavy Duty System 5mm Molding
Suspension System Duty Rating	Heavy	Heavy
Wall Molding	22mm	5mm
Seismic Clip	ACM7	None
Two Adjacent Floating Sides – With Gap	ACM7 seismic clip with fastener attachment to tee through slot (optional), and no fastener through wall molding	No attachment of tee to molding
Two Adjacent Fixed Sides – Tight, No Gap0	ACM7 seismic clip with fastener attachment to tee (optional), and one fastener through wall molding (optional)	Pop-rivet attachment of tee to molding
Perimeter Hanger Wires	Yes	Yes
Stabilizer Bars	None	Yes

	Category C Alternate Seismic Application	Standard Seismic Application
	DXL-I-C	
	intermediate Duty System 22mm Molding	Intermediate Duty System 22mm Molding, Stabilizer Bars
Suspension System Duty Rating	Heavy	Heavy
Wall Molding	22mm	5mm
Seismic Clip	ACM7	None (unless utilized in lieu of stabilizer bar)
Two Adjacent Floating Sides – With Gap	ACM7 seismic clip with fastener attachment to tee through slot (optional), and no fastener through wall molding	No attachment of tee to molding
Two Adjacent Fixed Sides – Tight, No Gap0	ACM7 seismic clip with fastener attachment to tee (optional), and one fastener through wall molding (optional)	Pop-rivet attachment of tee to molding
Perimeter Hanger Wires	Yes	None
Stabilizer Bars	None	Yes

Convenience holes located in the tee bulb may be used for any and all hanger wires. Load tests performed on 12-gauge hanger wires through convenience holes found the failure to be in excess of 180kg. This far exceeds the required 90kg. The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

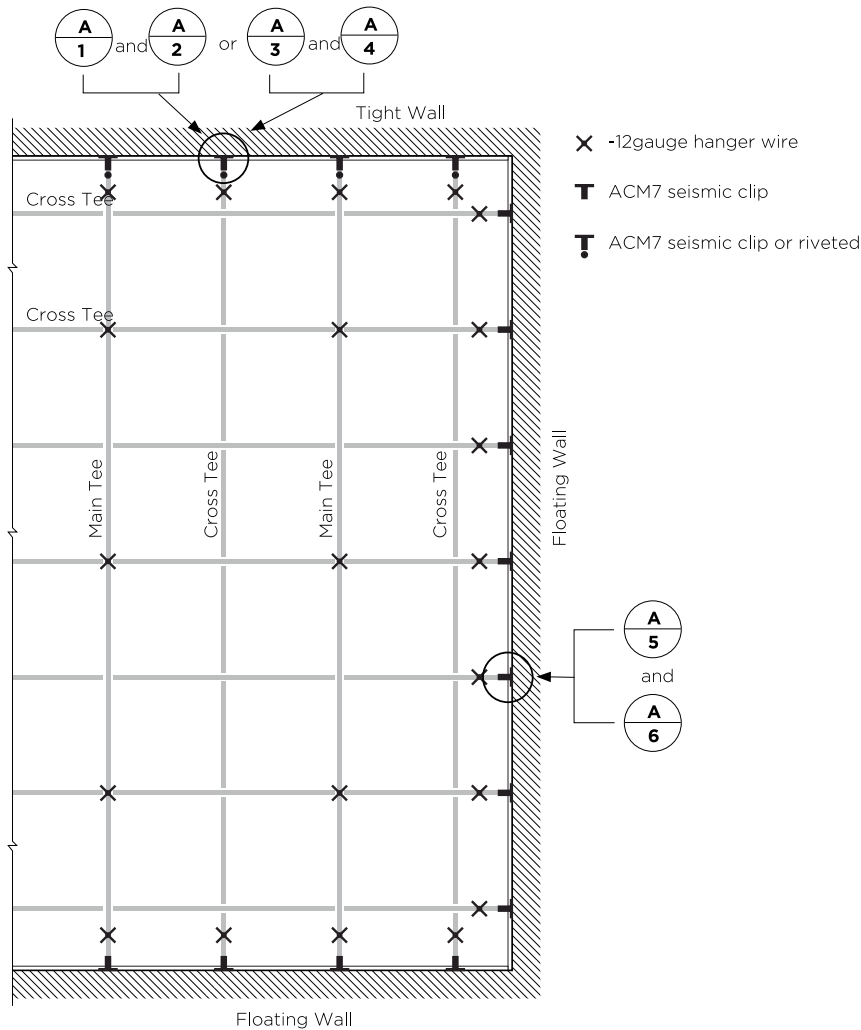
DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

SYSTEM SUMMARY

Suspension System Duty Rating	Heavy
Wall Molding	22mm
Seismic Clip	ACM7
Two Adjacent Floating Sides - With Gap	3/49 gap; ACM7 seismic clip with fastener attachment to tee through slot (optional), and no fastener through wall molding.
Two Adjacent Fixed Sides - Tight, No Gap	Tight, no gap; ACM7 seismic clip with fastener attachment to tee (optional), and one fastener through wall molding (optional)
Perimeter Hanger Wires	Yes
Stabilizer Bars	None

CONSTRUCTION DETAILS



All main DONN® suspension systems - DX/DXL, Finline DXF, Finline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA - include the Code compliant and heavy-duty main tees for Seismic Design Categories D, E, and F.

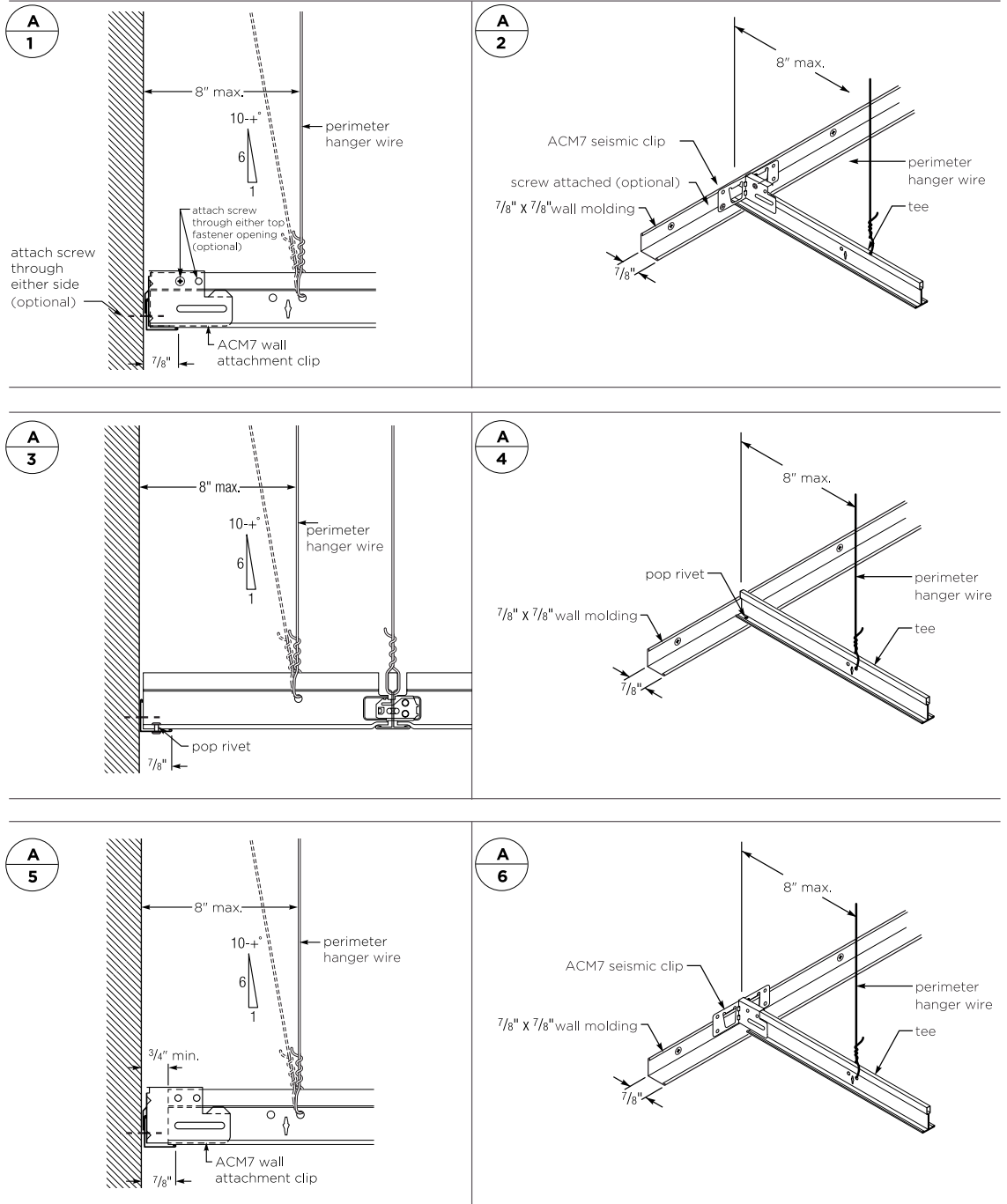
For ceiling areas exceeding (232 m²), a seismic separation joint may be required. See SC2496 for information on seismic separation joints.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.

DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

ACM7 CLIP, TIGHT WALL



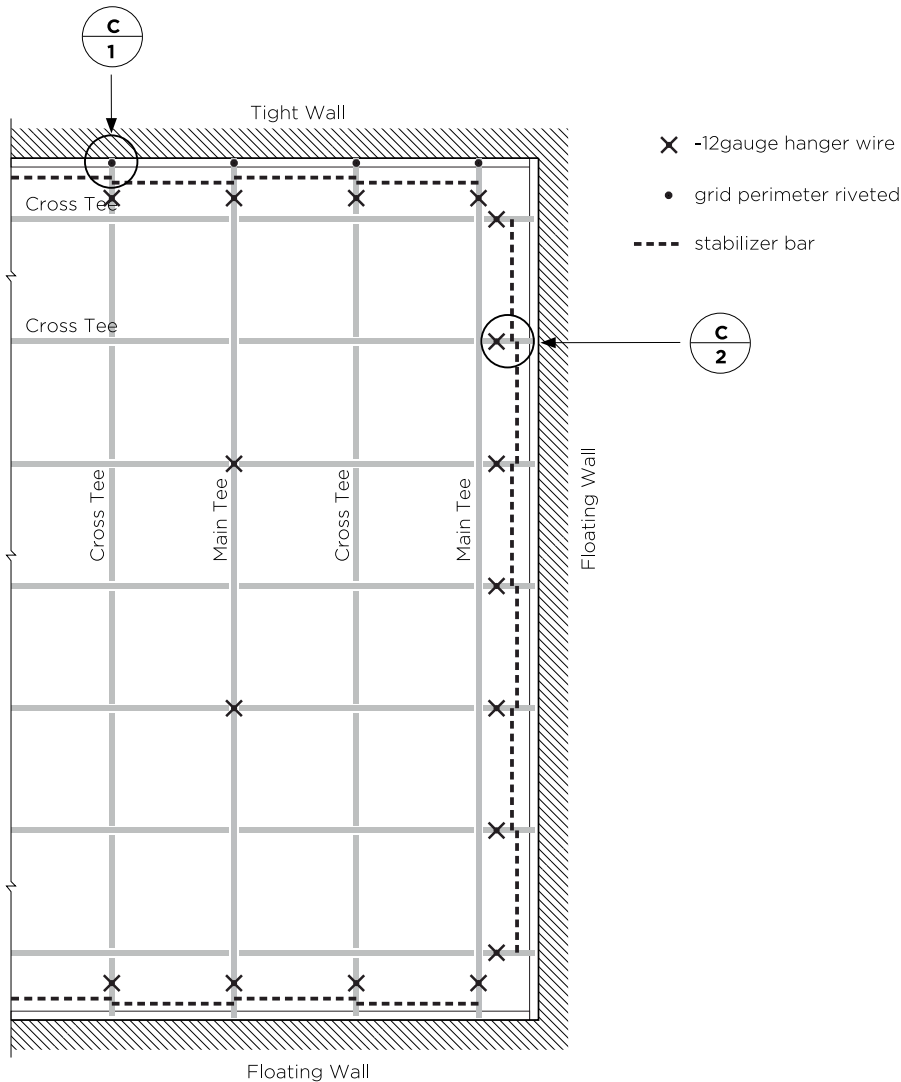
DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

Categories D, E, and F Category C as per IBC

SYSTEM SUMMARY

Suspension System Duty Rating	Heavy
Wall Molding	5mm
Seismic Clip	ACM7
Two Adjacent Floating Sides – With Gap	None (unless utilized in lieu of stabilizer bars)
Two Adjacent Fixed Sides – Tight, No Gap	19mm gap; no attachment of tee to molding
Perimeter Hanger Wires	Yes
Stabilizer Bars	Yes

CONSTRUCTION DETAILS



All main DONN® suspension systems – DX/DXL, Finline DXF, Finline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA – include the Code compliant heavy-duty main tees for Seismic Design Categories D, E, and F.

For ceiling areas exceeding 232 m², a seismic separation joint may be required. See SC2496 for information on seismic separation joints.

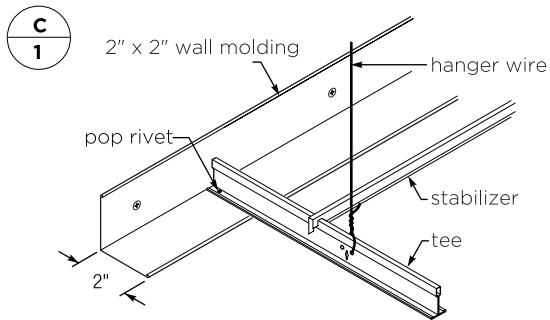
The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.

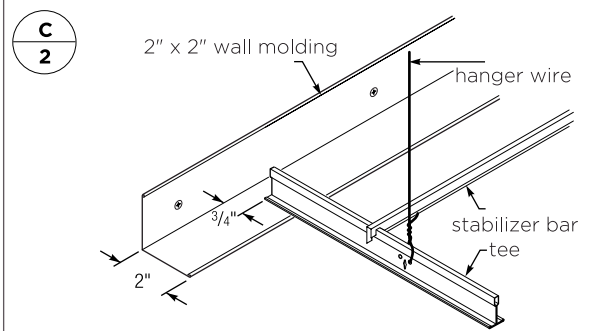
DONN® SUSPENSION SYSTEM SEISMIC SOLUTIONS

**ACM7 CLIP,
TIGHT WALL**

Pop Rivet, Tight Wall



Tee Unattached, Floating Wall

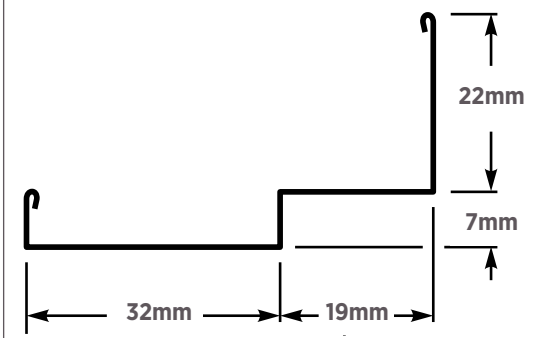
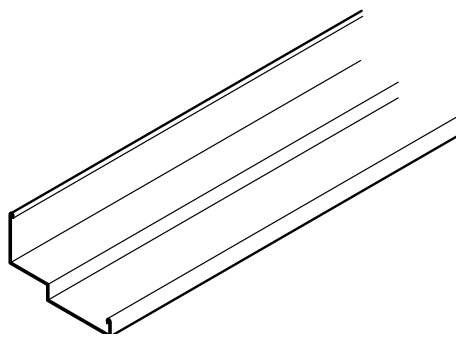


**5MM SEISMIC
SHADOW MOLDING**

With a 19mm reveal located by the wall to disguise its width, 5mm shadow molding provides an aesthetically pleasing option to traditional 5mm seismic molding. Designed for use with 24mm exposed DONN® DX/DXL suspension systems, this seismic shadow molding meets or exceeds all national code requirements and fulfills requirements for Seismic Design Categories D, E, and F.

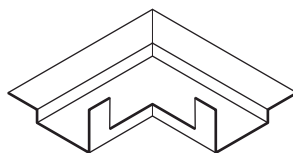
MS274

Profile

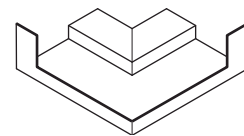


Preformed corners are available, eliminating the need to miter this molding.

Inside Corner Molding



Outside Corner Molding



For more information about the MS274 5mm seismic shadow molding, see Seismic Mold data sheet (AC3184) or Ceiling Systems catalogue (SC2000).

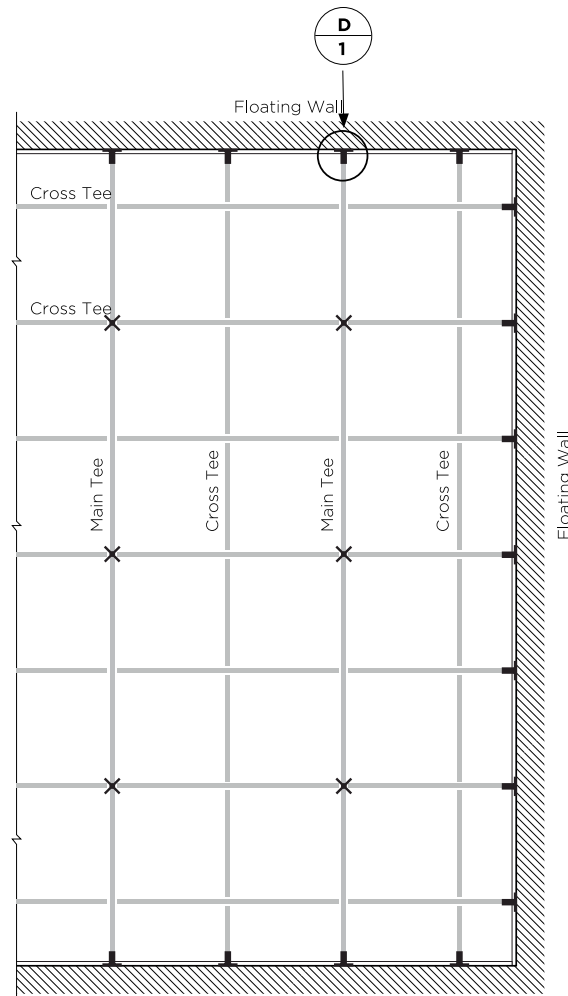
CATEGORY C ALTERNATE SEISMIC APPLICATION

Intermediate Duty DXL-I-C System 22mm Molding

SYSTEM SUMMARY

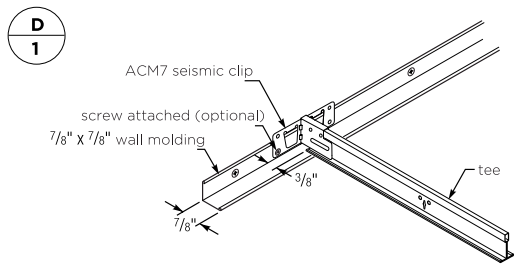
Suspension System Duty Rating	Intermediate
Wall Molding	22mm
Seismic Clip	ACM7
Two Adjacent Floating Sides - With Gap	ACM7 seismic clip with fastener attachment to tee through slot (optional), and one fastener through wall molding (optional).
Two Adjacent Fixed Sides - Tight, No Gap	Tight, no gap; pop-rivet attachment of tee to molding
Perimeter Hanger Wires	None
Stabilizer Bars	None

CONSTRUCTION DETAILS



- X -12 gauge hanger wire
- T ACM7 seismic clip

ACM 7 CLIP, FLOATING WALLS



All main DONN® suspension systems - DX/DXL, Finline DXF, Finline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA - include the Code compliant intermediate-duty main tees for Seismic Design Categories A, B and C.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.
Alternate Seismic Application

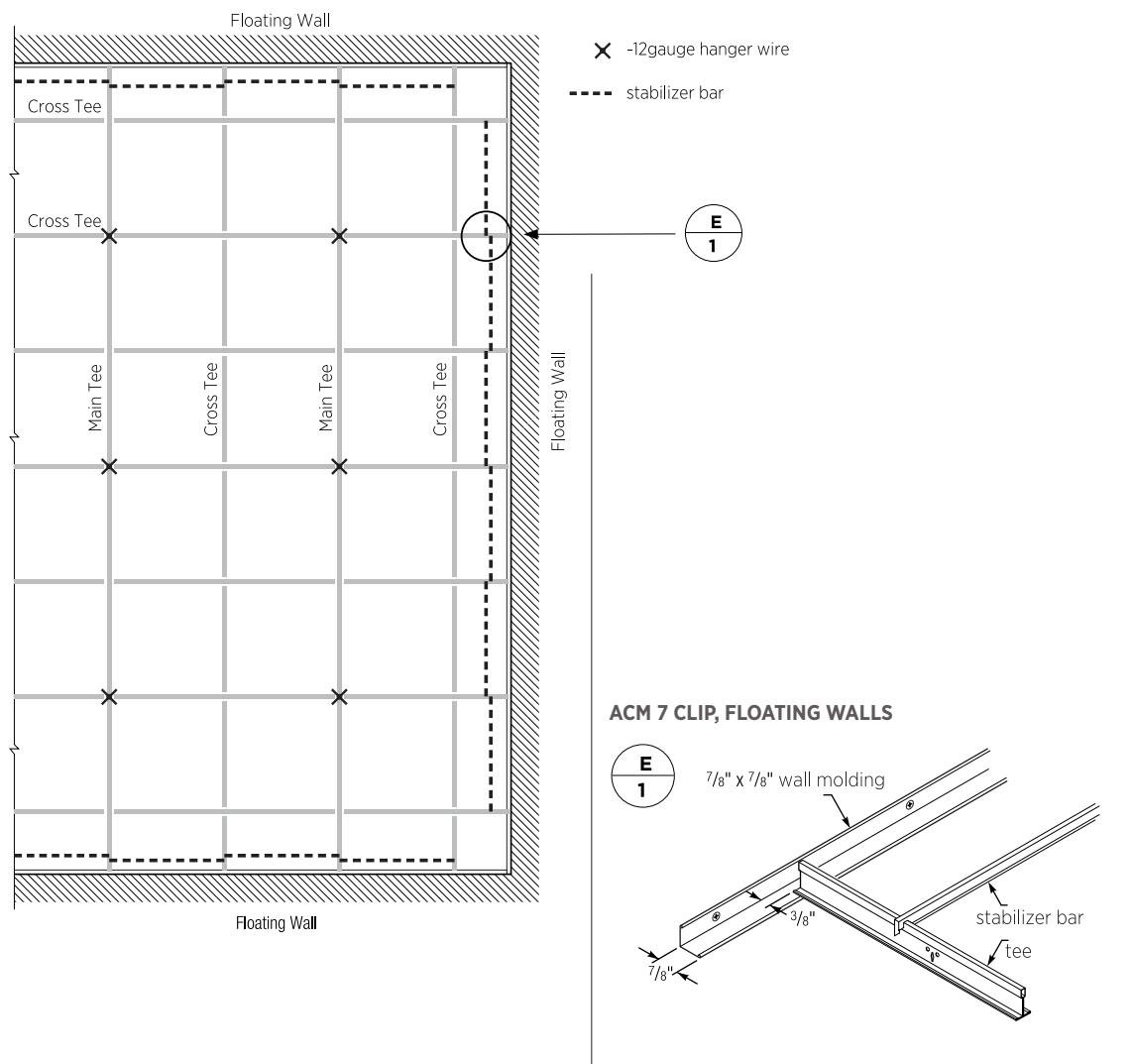
CATEGORY C STANDARD SEISMIC APPLICATION

Intermediate Duty System 22mm Molding, Stabilizer Bars

**SYSTEM
SUMMARY**

Suspension System Duty Rating	Intermediate
Wall Molding	22mm
Seismic Clip	None
Floating Sides	10mm gap; no attachment of tee to molding
Perimeter Hanger Wires	None
Stabilizer Bars	Yes

**CONSTRUCTION
DETAILS**



All main DONN® suspension systems – DX/DXL, Finline DXF, Finline 1/8 DXFF, Centricitee DXT/DXLT, CE, DXW, DXLA, and ZXLA – include the Code compliant intermediate-duty main tees for Seismic Design Categories A, B and C.

The performance of DONN® seismic systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

Convenience holes located in the tee bulb may be used for any and all hanger wires.
Standard Seismic Application





ADDITIONAL RESOURCES

USG ME CEILINGS ACOUSTIC PERFORMANCE

PRODUCT NAME	NRC	α_w	CLASS	CAC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Athena 16mm	0.70	0.65	Class C	35	0.30	0.35	0.65	0.90	1.00	0.95
Athena 19mm HNRC Concealed Edge	0.65	0.65	Class C	40	0.35	0.45	0.80	0.70	0.65	0.50
Celebretto A1 Pattern with Acoustic Fleece	0.75	0.80	Class B	-	0.70	0.95	0.75	0.75	0.80	0.80
Celebretto A1 Pattern with Acoustic Fleece & 30mm Soft Fiber Infill	1.00	1.00	Class A	34	0.70	0.90	1.00	1.00	1.00	1.00
Celebretto Intersecto A1 Pattern with Acoustic Fleece & 30mm SF Infill	0.70	0.70	Class C	35	0.50	0.60	0.65	0.75	0.70	0.70
Cleanroom™ 15mm Non-Perforated	0.10	0.15	Class E	37	0.35	0.15	0.10	0.10	0.15	0.25
Cleanroom™ 19mm Perforated	0.55	0.60	Class C	38	0.35	0.40	0.65	0.65	0.55	0.50
Cross Fissured 15mm	0.50	-	-	35	0.40	0.35	0.40	0.55	0.70	0.75
Cross Fissured 19mm	0.60	0.60	Class C	37	0.45	0.40	0.50	0.70	0.70	0.60
Auratone Designer Series 19mm QCFSR	0.60	0.60	Class C	35	0.45	0.40	0.50	0.70	0.70	0.60
Auratone Designer Series 19mm QOLPCR	0.65	0.70	Class C	37	0.30	0.45	0.70	0.70	0.70	0.60
Auratone Designer Series 19mm QRDSR	0.60	0.60	Class C	35	0.35	0.40	0.50	0.65	0.80	0.90
Auratone Designer Series 19mm QTPSR	0.70	0.65	Class C	35	0.35	0.40	0.65	0.85	0.85	0.70
Favia 15mm	0.25	0.25	Class E	35	0.35	0.25	0.20	0.20	0.30	0.50
Favia Acoustic 16mm HNRC	0.65	0.60	Class C	35	0.30	0.35	0.60	0.80	0.90	0.85
Favia Acoustic 19mm	0.55	0.55	Class D	37	0.35	0.35	0.45	0.70	0.75	0.65
Glacier™ 19mm	0.65	-	-	35	0.36	0.26	0.55	0.99	1.02	1.02
Halcyon™ 19mm SQ Edge	0.95	0.95	Class A	24	0.50	0.90	1.00	0.90	0.95	0.90
Halcyon™ 25mm SQ Edge	1.00	1.00	Class A	25	0.40	0.90	1.00	0.95	1.00	1.00
Halcyon™ 38mm SQ Edge	1.00	1.00	Class A	31	0.60	0.90	1.00	1.00	1.00	1.00
Halcyon™ Black 19mm SQ Edge	0.95	0.95	Class A	24	0.50	0.90	1.00	0.90	0.95	0.90
Halcyon™ Black 25mm SQ Edge	1.00	1.00	Class A	25	0.40	0.90	1.00	0.95	1.00	1.00
Halcyon™ Black 38mm SQ Edge	1.05	1.00	Class A	31	0.60	0.90	1.00	1.00	1.00	1.00
Halcyon™ Black 40mm SQ Edge with Aluminium Foil	0.90	0.90	Class A	34	0.40	0.70	0.85	1.00	1.00	1.00
Halcyon™ Black 50mm SQ Edge	0.95	0.95	Class A	32	0.60	0.75	0.90	1.00	1.00	1.00
Halcyon™ Healthcare 19mm SQ Edge	0.95	0.95	Class A	24	0.50	0.90	1.00	0.90	0.95	0.90
Halcyon™ Healthcare 25mm SQ Edge	1.00	1.00	Class A	25	0.40	0.90	1.00	0.95	1.00	1.00
Halcyon™ Healthcare 38mm SQ Edge	1.00	1.00	Class A	31	0.60	0.90	1.00	1.00	1.00	1.00
Louna™ Elegant 19mm SQ Edge	0.90	0.95	Class A	25	0.60	0.85	0.85	0.95	1.00	1.00
Louna™ Elegant 19mm Reveal Edge	0.85	0.85	Class B	27	0.55	0.80	0.75	0.90	1.00	1.00
Louna™ Elegant 25mm SQ Edge	0.95	1.00	Class A	26	0.65	0.95	0.90	1.00	1.00	1.00
Louna™ Elegant 25mm SQ Edge Aluminium Foil	0.90	0.90	Class A	35	0.40	0.70	0.85	1.00	1.00	1.00
Louna™ Elegant 25mm Reveal Edge	0.90	0.90	Class A	28	0.60	0.80	0.80	1.00	1.00	1.00
Louna™ Elegant 38mm SQ Edge Aluminium Foil	0.85	0.85	Class B	39	0.45	0.65	0.80	0.95	0.95	0.95
Louna™ Elite 19mm SQ Edge	0.95	0.95	Class A	25	0.60	0.95	0.85	0.95	1.00	1.00
Louna™ Elite 25mm SQ Edge	1.00	1.00	Class A	26	0.60	1.00	0.90	1.00	1.00	1.00
Louna™ HI CAC 43mm	0.85	0.80	Class B	42	0.45	0.50	0.85	1.00	1.00	1.00
Louna™ HI CAC 53mm	0.90	0.80	Class B	41	0.40	0.50	0.90	1.00	1.00	1.00
Louna™ Hygiene 19mm SQ Edge	0.90	0.95	Class A	25	0.60	0.85	0.85	0.95	1.00	1.00
Louna™ Hygiene 19mm Reveal Edge	0.85	0.85	Class B	27	0.55	0.80	0.75	0.90	1.00	1.00
Louna™ Hygiene 25mm SQ Edge	0.95	1.00	Class A	26	0.65	0.95	0.90	1.00	1.00	1.00

USG ME CEILINGS ACOUSTIC PERFORMANCE

PRODUCT NAME	NRC	α_w	CLASS	CAC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Louna™ Hygiene 25mm SQ Edge with Aluminium Foil	0.90	0.90	Class A	35	0.40	0.70	0.85	1.00	1.00	1.00
Louna™ Hygiene 25mm Reveal Edge	0.90	0.90	Class A	28	0.60	0.80	0.80	1.00	1.00	1.00
Louna™ Hygiene 38mm SQ Edge with Aluminium Foil	0.85	0.85	Class B	39	0.45	0.65	0.80	0.95	0.95	0.95
Louna™ Natural 15mm	0.90	0.90	Class A	-	0.60	0.85	0.80	0.95	1.00	1.00
Louna™ Natural 19mm	0.95	0.95	Class A	25	0.60	0.90	0.85	1.00	1.00	1.00
Louna Baffle 1800x300x40mm	0.70	0.60	Class C	-	0.20	0.30	0.65	0.90	0.85	0.80
Olympia™ 15mm ClimaPlus™	0.15	0.20	Class E	33	0.35	0.25	0.15	0.15	0.20	0.30
Olympia Micro™ 15mm ClimaPlus™	0.55	0.55	Class D	35	0.35	0.35	0.50	0.65	0.60	0.50
Olympia Micro™ 19mm	0.65	0.70	Class C	37	0.30	0.45	0.70	0.70	0.70	0.60
Olympia Micro™ 19mm HNRC	0.70	0.75	Class C	37	0.45	0.50	0.75	0.85	0.80	0.65
Paraline Baffles A1 Pattern Standard with Plain Border & 50mm SF Infill	0.60	0.55	Class D	-	0.15	0.35	0.50	0.75	0.70	0.60
Paraline Baffles A1 Pattern Fully Perforated & 38mm SF Infill	0.85	0.80	-	-	0.30	0.50	0.90	1.00	1.05	1.00
Radar™ 12mm	0.50	0.50	Class D	35	0.30	0.30	0.40	0.45	0.75	0.85
Radar™ 15mm ClimaPlus™	0.50	0.55	Class D	36	0.40	0.35	0.45	0.60	0.70	0.70
Radar™ 19mm Standard	0.60	0.60	Class C	38	0.35	0.40	0.50	0.65	0.80	0.90
Radar™ 19mm Firechief	0.60	0.55	Class D	38	0.30	0.35	0.50	0.75	0.80	0.75
Radar™ 19mm HRC	0.70	0.65	Class C	40	0.25	0.35	0.65	0.85	0.90	0.90
Radar™ 22mm	0.80	0.75	Class C	39	0.35	0.50	0.75	0.95	1.00	0.90
Radar™ Ceramic 15mm	0.50	-	-	39	0.35	0.28	0.38	0.60	0.76	0.77
Skylite Acoustic 19mm	0.70	0.65	Class C	39	0.30	0.35	0.65	0.90	0.95	0.70
Skylite Clean 15mm	0.60	0.50	Class D	38	0.30	0.30	0.40	0.70	0.95	0.65
Skylite Clean 19mm	0.85	0.85	Class B	31	0.50	0.65	0.85	1.00	0.90	0.65
Skynest Wood Wool 15mm	-	0.50	Class D	-	0.10	0.20	0.50	0.65	0.55	0.65
Skynest Wood Wool 15mm with insulation	-	0.85	Class B	-	0.30	0.65	1.0	0.85	0.75	0.80
Skynest Wood Wool 25mm	-	0.55	Class D	-	0.25	0.50	0.55	0.60	0.65	0.55
Skynest Wood Wool 35mm	-	0.65	-	-	0.30	0.50	0.60	0.60	0.75	0.90
Sonata 19mm	0.75	0.65	Class C	37	0.40	0.40	0.65	0.95	1.00	1.00
Sonata 22mm	0.80	0.75	Class C	40	0.45	0.45	0.75	0.95	1.00	1.00
Sonata Healthcare 19mm	0.75	0.65	Class C	37	0.40	0.40	0.65	0.95	1.00	1.00
Sonata Healthcare 22mm	0.80	0.75	Class C	40	0.45	0.45	0.75	0.95	1.00	1.00
Soundblock Gypsum Ceiling - R6	0.70	0.65	Class C	-	0.55	0.75	0.70	0.65	0.60	0.55
Soundblock Gypsum Ceiling - R6 with 100mm Soft Fiber Infill	0.85	0.55	Class D	-	0.75	0.95	0.95	0.80	0.55	0.40
Taiga 15mm	0.15	0.15	Class E	33	0.35	0.25	0.10	0.15	0.20	0.45
Taiga 19mm - Chessboard Design	0.30	0.30	Class D	35	0.30	0.25	0.25	0.30	0.40	0.60
Taiga 19mm - Comet Line Design	0.30	0.30	Class D	35	0.25	0.25	0.25	0.30	0.35	0.50
Taiga Hygiene 15mm	0.15	0.15	Class E	33	0.35	0.25	0.10	0.15	0.20	0.45
Taiga Perforated 12mm	0.50	0.50	Class D	35	0.25	0.30	0.40	0.55	0.65	0.70
Taiga Perforated 15mm	0.45	0.50	Class D	35	0.35	0.40	0.40	0.55	0.55	0.55
Taiga Perforated 16mm HNRC	0.70	0.60	Class C	37	0.30	0.35	0.70	0.90	0.85	0.75
Taiga Perforated 19mm	0.70	0.65	Class C	37	0.35	0.40	0.65	0.85	0.85	0.70

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Athena Acoustical Ceiling	ATX666	600*600*16	SQ	12	4.32	40	172.80	21.7	796
Athena Acoustical Ceiling	ATX226	610*610*16	SQ	12	4.46	40	178.56	22.4	821
Athena Acoustical Ceiling	ATX626	600*1200*16	SQ	8	5.76	40	230.40	28.9	1,157
Athena Acoustical Ceiling	ATX246	610*1220*16	SQ	8	5.95	40	238.08	29.9	1,196
Athena Acoustical Ceiling	ATXR666	600*600*16	SLT	12	4.32	40	172.80	21.7	868
Athena Acoustical Ceiling	ATXR226	610*610*16	SLT	12	4.46	40	178.56	22.4	896
Athena Acoustical Ceiling	ATXRF666	600*600*16	FLB	12	4.32	40	172.80	21.7	868
Athena Acoustical Ceiling	ATXRF226	610*610*16	FLB	12	4.46	40	178.56	22.4	896
Athena Acoustical Ceiling	ATRFDC669-HNRC	600*600*19	D-BESK	10	3.60	32	115.20	24.7	789
Athena Acoustical Ceiling	ATRFDC229-HNRC	610*610*19	D-BESK	10	3.72	32	119.04	25.5	815
Athena Acoustical Ceiling	ATFC669-HNRC	600*600*19	BESK	10	3.60	52	187.20	24.7	1,282
Athena Acoustical Ceiling	ATFC229-HNRC	610*610*19	BESK	10	3.72	52	193.44	25.5	1,325
Clean Room™ Acoustical Ceiling	CLX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Clean Room™ Acoustical Ceiling	CLX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Clean Room™ Acoustical Ceiling	CLX625	600*1200*15	SQ	8	5.76	40	230.40	21.3	853
Clean Room™ Acoustical Ceiling	CLX245	610*1220*15	SQ	8	5.95	40	238.08	22.0	881
Clean Room™ Acoustical Ceiling	CLX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Clean Room™ Acoustical Ceiling	CLX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Clean Room™ Acoustical Ceiling	CLX629	600*1200*19	SQ	6	4.32	40	172.80	16.0	640
Clean Room™ Acoustical Ceiling	CLX249	610*1220*19	SQ	6	4.46	40	178.56	16.5	661
Clean Room™ Acoustical Ceiling	CLXP669	600*600*19	SQ	10	3.60	40	144.00	17.0	680
Clean Room™ Acoustical Ceiling	CLXP229	610*610*19	SQ	10	3.72	40	148.80	17.6	703
Clean Room™ Acoustical Ceiling	CLXP629	600*1200*19	SQ	6	4.32	40	172.80	16.0	640
Clean Room™ Acoustical Ceiling	CLXP249	610*1220*19	SQ	6	4.46	40	178.56	16.5	661
Cross Fissured Acoustical Ceiling	CFS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFC665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFC225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFC625	600*1200*15	SQ	8	5.76	40	230.40	20.4	816
Cross Fissured Acoustical Ceiling	CFC245	610*1220*15	SQ	8	5.95	40	238.08	21.1	843
Cross Fissured Acoustical Ceiling	CFX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Cross Fissured Acoustical Ceiling	CFX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Cross Fissured Acoustical Ceiling	CFS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Cross Fissured Acoustical Ceiling	CFS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Cross Fissured Acoustical Ceiling	CFX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Cross Fissured Acoustical Ceiling	CFX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Cross Fissured Acoustical Ceiling	CFSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFCR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Cross Fissured Acoustical Ceiling	CFCR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Cross Fissured Acoustical Ceiling	CFXR665	600*600*15	SLT	12	4.32	40	172.80	21.7	868
Cross Fissured Acoustical Ceiling	CFXR225	610*610*15	SLT	12	4.46	40	178.56	22.4	896
Auratone Designer Series	QCFSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QCFSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QTPSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QTPSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QTCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QTCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QTCR669 (36/15)	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QTCR229 (36/15)	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QOLPCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QOLPCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QRDSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QRDSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Auratone Designer Series	QRDCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Auratone Designer Series	QRDCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Favia Acoustical Ceiling	FNS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Favia Acoustical Ceiling	FNS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Favia Acoustical Ceiling	FNSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Favia Acoustical Ceiling	FNSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Favia Acoustic Acoustical Ceiling	FAS666	600*600*16	SQ	12	4.32	52	224.64	15.3	796
Favia Acoustic Acoustical Ceiling	FAS226	610*610*16	SQ	12	4.46	52	232.13	15.8	821
Favia Acoustic Acoustical Ceiling	FAS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Favia Acoustic Acoustical Ceiling	FAS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Favia Acoustic Acoustical Ceiling	FASR666	600*600*16	SLT	12	4.32	52	224.64	15.3	796
Favia Acoustic Acoustical Ceiling	FASR226	610*610*16	SLT	12	4.46	52	232.13	15.8	821
Favia Acoustic Acoustical Ceiling	FASR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Favia Acoustic Acoustical Ceiling	FASR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Metal Face Acoustical Ceiling	MCX666	600*600*16	SQ	12	4.32	40	172.80	20.5	820
Metal Face Acoustical Ceiling	MCX226	610*610*16	SQ	12	4.46	40	178.56	21.2	847
Metal Face Acoustical Ceiling	MCX626	600*1200*16	SQ	8	5.76	40	230.40	27.3	1,093
Metal Face Acoustical Ceiling	MCX246	610*1220*16	SQ	8	5.95	40	238.08	28.2	1,130
Olympia™ Acoustical Ceiling	OLS665	600*600*15	SQ	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLS225	610*610*15	SQ	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLC665	600*600*15	SQ	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLC225	610*610*15	SQ	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLC625	600*1200*15	SQ	8	5.76	40	230.40	22.2	888
Olympia™ Acoustical Ceiling	OLC245	610*1220*15	SQ	8	5.95	40	238.08	22.9	917
Olympia™ Acoustical Ceiling	OLX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Olympia™ Acoustical Ceiling	OLX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Olympia™ Acoustical Ceiling	OLC325	300*1200*15	SQ	12	4.32	40	172.80	32.1	1,285
Olympia™ Acoustical Ceiling	OLC145	310*1220*15	SQ	12	4.54	40	181.54	33.2	1,327
Olympia™ Acoustical Ceiling	OLS669	600*600*19	SQ	10	3.60	52	187.20	17.6	913
Olympia™ Acoustical Ceiling	OLS229	610*610*19	SQ	10	3.72	52	193.44	18.1	943
Olympia™ Acoustical Ceiling	OLC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Olympia™ Acoustical Ceiling	OLC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Olympia™ Acoustical Ceiling	OLC359	300*1500*19	SQ	6	2.70	32	86.40	13.2	421
Olympia™ Acoustical Ceiling	OLC159	310*1520*19	SQ	6	2.83	32	90.47	13.8	441
Olympia™ Acoustical Ceiling	OLSR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLSR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLCR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCR325	300*1200*15	SLT	12	4.32	40	172.80	21.7	868
Olympia™ Acoustical Ceiling	OLCR145	310*1220*15	SLT	12	4.54	40	181.54	22.4	896
Olympia™ Acoustical Ceiling	OLSR669	600*600*19	SLT	10	3.60	52	187.20	17.6	913
Olympia™ Acoustical Ceiling	OLSR229	610*610*19	SLT	10	3.72	52	193.44	18.1	943
Olympia™ Acoustical Ceiling	OLC629	600*1200*19	SLT	6	4.32	40	172.80	20.9	834
Olympia™ Acoustical Ceiling	OLC249	610*1220*19	SLT	6	4.46	40	178.56	21.5	862
Olympia™ Acoustical Ceiling	OLCR629	600*1200*19	SLT	6	4.32	40	172.80	20.9	834
Olympia™ Acoustical Ceiling	OLCR249	610*1220*19	SLT	6	4.46	40	178.56	21.5	862
Olympia™ Acoustical Ceiling	OLSRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLSRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia™ Acoustical Ceiling	OLCRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia™ Acoustical Ceiling	OLCRF325	300*1200*15	FLB	12	4.32	40	172.80	16.7	666
Olympia™ Acoustical Ceiling	OLCRF145	310*1220*15	FLB	12	4.54	40	181.54	17.2	688
Olympia™ Acoustical Ceiling	OLSRF669	600*600*19	FLB	10	3.60	52	187.20	17.6	913
Olympia™ Acoustical Ceiling	OLSRF229	610*610*19	FLB	10	3.72	52	193.44	18.1	943
Olympia™ Acoustical Ceiling	OLXR629	600*1200*19	FLB	6	4.32	40	172.80	30.8	1,231
Olympia™ Acoustical Ceiling	OLXR249	610*1220*19	FLB	6	4.46	40	178.56	31.8	1,272
Olympia™ Acoustical Ceiling	OLCRF629	600*1200*19	FLB	6	4.32	40	172.80	20.9	834
Olympia™ Acoustical Ceiling	OLCRF249	610*1220*19	FLB	6	4.46	40	178.56	21.5	862
Pedestal™ Acoustical Ceiling	DPIC669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal™ Acoustical Ceiling	DPIC229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal™ Acoustical Ceiling	DP4C669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal™ Acoustical Ceiling	DP4C229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP1OLCRI669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP1OLCRI229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP4OLCRI669	600*600*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Pedestal Olympia™ Acoustical Ceiling	DP4OLCRI229	610*610*19	Pedestal	10	3.60	52	187.20	20.9	1,084
Olympia Micro™ Acoustical Ceiling	OLPS665	600*600*15	SQ	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPS225	610*610*15	SQ	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPC665	600*600*15	SQ	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPC225	610*610*15	SQ	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPC625	600*1200*15	SQ	8	5.76	40	230.40	22.2	888
Olympia Micro™ Acoustical Ceiling	OLPC245	610*1220*15	SQ	8	5.95	40	238.08	22.9	917

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Olympia Micro™ Acoustical Ceiling	OLPX665	600*600*15	SQ	12	4.32	40	172.80	22.8	912
Olympia Micro™ Acoustical Ceiling	OLPX225	610*610*15	SQ	12	4.46	40	178.56	23.5	942
Olympia Micro™ Acoustical Ceiling	OLPX625	600*1200*15	SQ	8	5.76	40	230.40	22.2	888
Olympia Micro™ Acoustical Ceiling	OLPX245	610*1220*15	SQ	8	5.95	40	238.08	22.9	918
Olympia Micro™ Acoustical Ceiling	OLPC325	300*1200*15	SQ	12	4.32	40	172.80	20.5	820
Olympia Micro™ Acoustical Ceiling	OLPCI45	310*1220*15	SQ	12	4.54	40	181.54	21.2	847
Olympia Micro™ Acoustical Ceiling	OLPC669-HNRC	600*600*19	SQ	10	3.60	52	187.20	17.6	915
Olympia Micro™ Acoustical Ceiling	OLPC229-HNRC	610*610*19	SQ	10	3.72	52	193.44	18.2	946
Olympia Micro™ Acoustical Ceiling	OLPS669	600*600*19	SQ	10	3.60	52	187.20	17.6	913
Olympia Micro™ Acoustical Ceiling	OLPS229	610*610*19	SQ	10	3.72	52	193.44	18.1	943
Olympia Micro™ Acoustical Ceiling	OLPC329	300*1200*19	SQ	10	3.60	40	144.00	17.6	704
Olympia Micro™ Acoustical Ceiling	OLPCI49	310*1220*19	SQ	10	3.78	40	151.28	18.5	740
Olympia Micro™ Acoustical Ceiling	OLPC629-HNRC	600*1200*19	SQ	6	4.32	40	172.80	20.9	834
Olympia Micro™ Acoustical Ceiling	OLPC249-HNRC	610*1220*19	SQ	6	4.46	40	178.56	21.5	862
Olympia Micro™ Acoustical Ceiling	OLPSR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPSR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPCR665	600*600*15	SLT	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPCR225	610*610*15	SLT	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPSR669	600*600*19	SLT	10	3.60	52	187.20	17.6	913
Olympia Micro™ Acoustical Ceiling	OLPSR229	610*610*19	SLT	10	3.72	52	193.44	18.1	943
Olympia Micro™ Acoustical Ceiling	OLPCR669-HNRC	600*600*19	SLT	10	3.60	52	187.20	17.6	915
Olympia Micro™ Acoustical Ceiling	OLPCR229-HNRC	610*610*19	SLT	10	3.72	52	193.44	18.2	946
Olympia Micro™ Acoustical Ceiling	OLPXR629	600*1200*19	SLT	6	4.32	40	172.80	25.7	1,028
Olympia Micro™ Acoustical Ceiling	OLPXR249	610*1220*19	SLT	6	4.46	40	178.56	26.6	1,062
Olympia Micro™ Acoustical Ceiling	OLPCR629-HNRC	600*1200*19	SLT	6	4.32	40	172.80	20.9	834
Olympia Micro™ Acoustical Ceiling	OLPCR249-HNRC	610*1220*19	SLT	6	4.46	40	178.56	21.5	862
Olympia Micro™ Acoustical Ceiling	OLPSRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPSRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPCRF665	600*600*15	FLB	12	4.32	56	241.92	16.7	932
Olympia Micro™ Acoustical Ceiling	OLPCRF225	610*610*15	FLB	12	4.46	56	249.98	17.2	963
Olympia Micro™ Acoustical Ceiling	OLPCRF325	300*1200*15	FLB	12	4.32	40	172.80	16.7	666
Olympia Micro™ Acoustical Ceiling	OLPCRF145	310*1220*15	FLB	12	4.54	40	181.54	17.5	700
Olympia Micro™ Acoustical Ceiling	OLPSRF669	600*600*19	FLB	10	3.60	52	187.20	17.6	913
Olympia Micro™ Acoustical Ceiling	OLPSRF229	610*610*19	FLB	10	3.72	52	193.44	18.1	943
Olympia Micro™ Acoustical Ceiling	OLPCRF669-HNRC	600*600*19	FLB	10	3.60	52	187.20	17.6	915
Olympia Micro™ Acoustical Ceiling	OLPCRF229-HNRC	610*610*19	FLB	10	3.72	52	193.44	18.2	946
Olympia Micro™ Acoustical Ceiling	OLPCRF629-HNRC	600*1200*19	FLB	6	4.32	40	172.80	20.9	834
Olympia Micro™ Acoustical Ceiling	OLPCRF249-HNRC	610*1220*19	FLB	6	4.46	40	178.56	21.5	862
Olympia Micro™ Acoustical Ceiling	OLPCRF329	300*1200*19	FLB	10	3.60	40	144.00	16.0	640
Olympia Micro™ Acoustical Ceiling	OLPCRF349	310*1220*19	FLB	10	3.78	40	151.28	16.8	672
Olympia Micro™ Acoustical Ceiling	OLPXF665	600*600*15	BESK	12	4.32	32	138.24	22.8	730
Olympia Micro™ Acoustical Ceiling	OLPXF625	600*1200*15	BESK	8	5.76	32	184.32	30.4	973
Olympia Micro™ Acoustical Ceiling	OLPXF669	600*600*19	BESK	10	3.60	32	115.20	19.0	608
Olympia Micro™ Acoustical Ceiling	OLPXF629	600*1200*19	BESK	6	4.32	32	138.24	25.7	822
Olympia Micro™ Acoustical Ceiling	OLPXRFD325	300*1200*15	BESK	12	4.32	32	138.24	29.6	947
Olympia Micro™ Acoustical Ceiling	OLPXRFD355	300*1500*15	D-BESK	8	3.60	32	115.20	22.8	730
Olympia Micro™ Acoustical Ceiling	OLPXRFD385	300*1800*15	D-BESK	8	4.32	32	138.24	27.4	876
Olympia Micro™ Acoustical Ceiling	OLPXRFD625	600*1200*15	D-BESK	8	5.76	32	184.32	36.5	1,167
Olympia Micro™ Acoustical Ceiling	OLPXRFD655	600*1500*15	D-BESK	8	7.20	30	216.00	30.4	912
Olympia Micro™ Acoustical Ceiling	OLPXRFD685	600*1800*15	D-BESK	8	8.64	30	259.20	36.5	1,094
Olympia Micro™ Acoustical Ceiling	OLPXRFD329	300*1200*19	D-BESK	10	3.60	32	115.20	21.4	685
Olympia Micro™ Acoustical Ceiling	OLPXRFD359	300*1500*19	D-BESK	6	2.70	32	86.40	16.1	514
Olympia Micro™ Acoustical Ceiling	OLPXRFD389	300*1800*19	D-BESK	6	3.24	32	103.68	19.3	617
Olympia Micro™ Acoustical Ceiling	OLPXRFD629	600*1200*19	D-BESK	6	4.32	32	138.24	25.7	822
Olympia Micro™ Acoustical Ceiling	OLPXRFD659	600*1500*19	D-BESK	6	5.40	30	162.00	32.1	964
Olympia Micro™ Acoustical Ceiling	OLPXRFD689	600*1800*19	D-BESK	6	6.48	30	194.40	38.6	1,157
Omni Acoustical Ceiling	OMS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Omni Acoustical Ceiling	OMS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Omni Acoustical Ceiling	OMC625	600*1200*15	SQ	8	5.76	40	230.40	20.4	816
Omni Acoustical Ceiling	OMC245	610*1220*15	SQ	8	5.95	40	238.08	21.1	843
Omni Acoustical Ceiling	OMX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Omni Acoustical Ceiling	OMX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Omni Acoustical Ceiling	OMS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Omni Acoustical Ceiling	OMS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Omni Acoustical Ceiling	OMX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Omni Acoustical Ceiling	OMX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Omni Acoustical Ceiling	OMSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Omni Acoustical Ceiling	OMSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDS662	600*600*12	SQ	16	5.76	52	299.52	21.6	1,123
Radar™ Acoustical Ceiling	RDS222	610*610*12	SQ	16	5.95	52	309.50	22.3	1,161
Radar™ Acoustical Ceiling	RDS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDC665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDC225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDX665	600*600*15	SQ	12	4.32	40	172.80	21.7	868
Radar™ Acoustical Ceiling	RDX225	610*610*15	SQ	12	4.46	40	178.56	22.4	896
Radar™ Acoustical Ceiling	RDX625	600*1200*15	SQ	8	5.76	40	230.40	20.4	816
Radar™ Acoustical Ceiling	RDX245	610*1220*15	SQ	8	5.95	40	238.08	21.1	843
Radar™ Acoustical Ceiling	RDX669	600*600*19	SQ	10	3.60	40	144.00	24.7	986
Radar™ Acoustical Ceiling	RDX229	610*610*19	SQ	10	3.72	40	148.80	25.5	1,019
Radar™ Acoustical Ceiling	RDC325	300*1200*15	SQ	12	4.32	40	172.80	15.3	612
Radar™ Acoustical Ceiling	RDC145	310*1220*15	SQ	12	4.54	40	181.54	16.1	643
Radar™ Acoustical Ceiling	RDS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDC669-HNRC	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDC229-HNRC	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDC329	300*1200*19	SQ	10	3.60	40	144.00	27.8	1,113
Radar™ Acoustical Ceiling	RDC149	310*1220*19	SQ	10	3.78	40	151.28	29.2	1,170
Radar™ Acoustical Ceiling	RDC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDC6622	600*600*22	SQ	8	2.88	56	161.28	18.5	1,039
Radar™ Acoustical Ceiling	RDC2222	610*610*22	SQ	8	2.98	56	166.66	19.2	1,073
Radar™ Acoustical Ceiling	RDSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDCR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDCR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDXR669	600*1200*19	SLT	10	3.60	40	144.00	24.7	986
Radar™ Acoustical Ceiling	RDXR229	610*1220*19	SLT	10	3.72	40	148.80	25.5	1,019
Radar™ Acoustical Ceiling	RDCR325	300*1200*15	SLT	12	4.32	40	172.80	15.7	628
Radar™ Acoustical Ceiling	RDCR145	310*1220*15	SLT	12	4.54	40	181.54	16.2	648
Radar™ Acoustical Ceiling	RDSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDCR669-HNRC	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDCR229-HNRC	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDCR329	300*1200*19	SLT	10	3.60	40	144.00	16.0	640
Radar™ Acoustical Ceiling	RDCR149	310*1220*19	SLT	10	3.78	40	151.28	16.8	672
Radar™ Acoustical Ceiling	RDCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Radar™ Acoustical Ceiling	RDCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Radar™ Acoustical Ceiling	RDCR6622	600*600*22	SLT	8	2.88	56	161.28	18.5	1,039
Radar™ Acoustical Ceiling	RDCR2222	610*610*22	SLT	8	2.98	56	166.66	19.2	1,073
Radar™ Acoustical Ceiling	RDSRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDSRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDCRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Radar™ Acoustical Ceiling	RDCRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Radar™ Acoustical Ceiling	RDCRF325	300*1200*15	FLB	12	4.32	40	172.80	15.7	628
Radar™ Acoustical Ceiling	RDCRF145	310*1220*15	FLB	12	4.54	40	181.54	16.2	648
Radar™ Acoustical Ceiling	RDCRF329	300*1200*19	FLB	10	3.60	40	144.00	15.7	628
Radar™ Acoustical Ceiling	RDCRF149	310*1220*19	FLB	10	3.78	40	151.28	16.5	660
Radar Ceramic™ Acoustical Ceiling	RDXX665	600*600*15	SQ	12	4.32	40	172.80	33.4	1,336
Radar Ceramic™ Acoustical Ceiling	RDXX225	610*610*15	SQ	12	4.46	40	178.56	34.5	1,381
Skylite Acoustic	SKA669-R6	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKA229-R6	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKA629-R6	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKA249-R6	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKAC669-R6	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKAC229-R6	610*610*19	SQ	10	3.72	52	193.44	16.5	860

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Skylite Acoustic	SKAC629-R6	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKAC249-R6	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKAR669-R6	600*600*19	SL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKAR229-R6	610*610*19	SL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKAR629-R6	600*1200*19	SL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKAR249-R6	610*1220*19	SL	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKACR669-R6	600*600*19	SL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKACR229-R6	610*610*19	SL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKACR629-R6	600*1200*19	SL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKACR249-R6	610*1220*19	SL	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKARF669-R6	600*600*19	FL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKARF229-R6	610*610*19	FL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKARF629-R6	600*1200*19	FL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKARF249-R6	610*1220*19	FL	6	4.46	40	178.56	19.8	794
Skylite Acoustic	SKACRF669-R6	600*600*19	FL	10	3.60	52	187.20	16.0	832
Skylite Acoustic	SKACRF229-R6	610*610*19	FL	10	3.72	52	193.44	16.5	860
Skylite Acoustic	SKACRF629-R6	600*1200*19	FL	6	4.32	40	172.80	19.2	768
Skylite Acoustic	SKACRF249-R6	610*1220*19	FL	6	4.46	40	178.56	19.8	794
Skylite Clean	SKCC665-R6	600*600*15	SQ	12	4.32	40	172.80	19.5	781
Skylite Clean	SKCC225-R6	610*610*15	SQ	12	4.46	40	178.56	20.2	807
Skylite Clean	SKCC625-R6	600*1200*15	SQ	8	5.76	40	230.40	26.0	1,042
Skylite Clean	SKCC245-R6	610*1220*15	SQ	8	5.95	40	238.08	26.9	1,076
Skylite Clean	SKCC669-R6	600*600*19	SQ	12	4.32	40	172.80	19.5	781
Skylite Clean	SKCC229-R6	610*610*19	SQ	12	4.46	40	178.56	20.2	807
Skylite Clean	SKCC629-R6	600*1200*19	SQ	8	5.76	40	230.40	26.0	1,042
Skylite Clean	SKCC249-R6	610*1220*19	SQ	8	5.95	40	238.08	26.9	1,076
Sonata Acoustical Ceiling	SC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sonata Acoustical Ceiling	SC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Sonata Acoustical Ceiling	SC629	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Sonata Acoustical Ceiling	SC249	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Sonata Acoustical Ceiling	SC6622	600*600*22	SQ	8	2.88	56	161.28	18.5	1,039
Sonata Acoustical Ceiling	SC2222	610*610*22	SQ	8	2.98	56	166.66	19.2	1,073
Sonata Acoustical Ceiling	SCR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Sonata Acoustical Ceiling	SCR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Sonata Acoustical Ceiling	SCR629	600*1200*19	SLT	6	4.32	40	172.80	19.2	768
Sonata Acoustical Ceiling	SCR249	610*1220*19	SLT	6	4.46	40	178.56	19.8	794
Sonata Acoustical Ceiling	SCR6622	600*600*22	SLT	8	2.88	56	161.28	18.5	1,039
Sonata Acoustical Ceiling	SCR2222	610*610*22	SLT	8	2.98	56	166.66	19.2	1,073
Sonata Acoustical Ceiling	SCRF669	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Sonata Acoustical Ceiling	SCRF229	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Sonata Acoustical Ceiling	SCRF629	600*1200*19	FLB	6	4.32	40	172.80	19.2	768
Sonata Acoustical Ceiling	SCRF249	610*1220*19	FLB	6	4.46	40	178.56	19.8	794
Sonata Acoustical Ceiling	SCRF6622	600*600*22	FLB	8	2.88	56	161.28	18.5	1,039
Sonata Acoustical Ceiling	SCRF2222	610*610*22	FLB	8	2.98	56	166.66	19.2	1,073
Sonata Acoustical Ceiling	SCFC669	600*600*19	BESK	10	3.60	32	115.20	23.5	752
Sonata Acoustical Ceiling	SCRFDC669	600*600*19	D-BESK	10	3.60	32	115.20	23.5	752
Sonata Healthcare Acoustical Ceiling	SC669HC	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sonata Healthcare Acoustical Ceiling	SC229HC	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Sonata Healthcare Acoustical Ceiling	SC629HC	600*1200*19	SQ	6	4.32	40	172.80	19.2	768
Sonata Healthcare Acoustical Ceiling	SC249HC	610*1220*19	SQ	6	4.46	40	178.56	19.8	794
Sonata Healthcare Acoustical Ceiling	SC6622HC	600*600*22	SQ	8	2.88	40	115.20	18.5	742
Sonata Healthcare Acoustical Ceiling	SC2222HC	610*610*22	SQ	8	2.98	40	119.04	19.2	767
Sonata Healthcare Acoustical Ceiling	SCR669HC	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Sonata Healthcare Acoustical Ceiling	SCR229HC	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Sonata Healthcare Acoustical Ceiling	SCR629HC	600*1200*19	SLT	6	4.32	40	172.80	19.2	768
Sonata Healthcare Acoustical Ceiling	SCR249HC	610*1220*19	SLT	6	4.46	40	178.56	19.8	794
Sonata Healthcare Acoustical Ceiling	SCR6622HC	600*600*22	SLT	8	2.88	40	115.20	18.5	742
Sonata Healthcare Acoustical Ceiling	SCR2222HC	610*610*22	SLT	8	2.98	40	119.04	19.2	767
Sonata Healthcare Acoustical Ceiling	SCRF669HC	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Sonata Healthcare Acoustical Ceiling	SCRF229HC	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Sonata Healthcare Acoustical Ceiling	SCRF629HC	600*1200*19	FLB	6	4.32	40	172.80	19.2	768
Sonata Healthcare Acoustical Ceiling	SCRF249HC	610*1220*19	FLB	6	4.46	40	178.56	19.8	794
Sonata Healthcare Acoustical Ceiling	SCRF6622HC	600*600*22	FLB	8	2.88	40	115.20	18.5	742

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Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Sonata Healthcare Acoustical Ceiling	SCRF2222HC	610*610*22	FLB	8	2.98	40	119.04	19.2	767
Sparta Acoustical Ceiling	LSP665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Sparta Acoustical Ceiling	LSP225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Sparta Acoustical Ceiling	LPW665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Sparta Acoustical Ceiling	LPW225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Sparta Acoustical Ceiling	LSP669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sparta Acoustical Ceiling	LSP229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Sparta Acoustical Ceiling	LPW669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Sparta Acoustical Ceiling	LPW229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Acoustical Ceiling	TS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Acoustical Ceiling	TS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Acoustical Ceiling	TS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Taiga Acoustical Ceiling	TS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Acoustical Ceiling	TSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Acoustical Ceiling	TSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Acoustical Ceiling	TSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Acoustical Ceiling	TSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Acoustical Ceiling	TSRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Taiga Acoustical Ceiling	TSRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Taiga Chessboard Design Acoustical Ceiling	CHSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Chessboard Design Acoustical Ceiling	CHSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Comet Line Design Acoustical Ceiling	CSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Comet Line Design Acoustical Ceiling	CSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Hygiene Acoustical Ceiling	THS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Hygiene Acoustical Ceiling	THS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Hygiene Acoustical Ceiling	THS669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Taiga Hygiene Acoustical Ceiling	THS229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Hygiene Acoustical Ceiling	THSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Hygiene Acoustical Ceiling	THSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Hygiene Acoustical Ceiling	THSR669	600*600*19	SLT	10	3.60	52	187.20	16.0	832
Taiga Hygiene Acoustical Ceiling	THSR229	610*610*19	SLT	10	3.72	52	193.44	16.5	860
Taiga Hygiene Acoustical Ceiling	THSRF669	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Taiga Hygiene Acoustical Ceiling	THSRF229	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Taiga Perforated Acoustical Ceiling	TPS662	600*600*12	SQ	16	5.76	52	299.52	21.6	1,123
Taiga Perforated Acoustical Ceiling	TPS222	610*610*12	SQ	16	5.95	52	309.50	22.3	1,161
Taiga Perforated Acoustical Ceiling	TPS665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPS225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPC665	600*600*15	SQ	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPC225	610*610*15	SQ	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPC625	600*1200*15	SQ	8	5.76	40	230.40	27.2	1,088
Taiga Perforated Acoustical Ceiling	TPC245	610*1220*15	SQ	8	5.95	40	238.08	28.1	1,124
Taiga Perforated Acoustical Ceiling	TPC666-HNRC	600*600*16	SQ	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPC226-HNRC	610*610*16	SQ	12	4.46	52	232.13	15.8	821
Taiga Perforated Acoustical Ceiling	TPC669	600*600*19	SQ	10	3.60	52	187.20	16.0	832
Taiga Perforated Acoustical Ceiling	TPC229	610*610*19	SQ	10	3.72	52	193.44	16.5	860
Taiga Perforated Acoustical Ceiling	TPSR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPSR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPCR665	600*600*15	SLT	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPCR225	610*610*15	SLT	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPCR625	600*1200*15	SLT	8	5.76	40	230.40	27.2	1,088
Taiga Perforated Acoustical Ceiling	TPCR245	610*1220*15	SLT	8	5.95	40	238.08	28.1	1,124
Taiga Perforated Acoustical Ceiling	TPCR666-HNRC	600*600*16	SLT	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPCR226-HNRC	610*610*16	SLT	12	4.46	52	232.13	15.8	821
Taiga Perforated Acoustical Ceiling	TPCR669	600*600*19	SLT	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPCR229	610*610*19	SLT	12	4.46	52	232.13	15.8	821
Taiga Perforated Acoustical Ceiling	TPSRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPSRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPCRF665	600*600*15	FLB	12	4.32	56	241.92	15.3	857
Taiga Perforated Acoustical Ceiling	TPCRF225	610*610*15	FLB	12	4.46	56	249.98	15.8	885
Taiga Perforated Acoustical Ceiling	TPCRF625	600*1200*15	FLB	8	5.76	40	230.40	27.2	1,088
Taiga Perforated Acoustical Ceiling	TPCRF245	610*1220*15	FLB	8	5.95	40	238.08	28.1	1,124
Taiga Perforated Acoustical Ceiling	TPCRF666-HNRC	600*600*16	FLB	12	4.32	52	224.64	15.3	796
Taiga Perforated Acoustical Ceiling	TPCRF226-HNRC	610*610*16	FLB	12	4.46	52	232.13	15.8	821

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Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Taiga Perforated Acoustical Ceiling	TPSRF669	600*600*19	FLB	10	3.60	52	187.20	16.0	832
Taiga Perforated Acoustical Ceiling	TPSRF229	610*610*19	FLB	10	3.72	52	193.44	16.5	860
Halcyon™ Acoustical Ceiling	HC669	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Halcyon™ Acoustical Ceiling	HC229	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Halcyon™ Acoustical Ceiling	HC629	600*1200*19	SQ	6	4.32	40	172.80	9.0	360
Halcyon™ Acoustical Ceiling	HC249	610*1220*19	SQ	6	4.46	40	178.56	9.3	372
Halcyon™ Acoustical Ceiling	HC6625	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Acoustical Ceiling	HC2225	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Acoustical Ceiling	HC6638	600*600*38	SQ	6	2.16	40	86.40	9.0	360
Halcyon™ Acoustical Ceiling	HC2238	610*610*38	SQ	6	2.23	40	89.28	9.3	372
Halcyon™ Acoustical Ceiling	HCR6625	600*600*25	SL	8	2.88	40	115.20	7.9	316
Halcyon™ Acoustical Ceiling	HCR2225	610*610*25	SL	8	2.98	40	119.04	8.2	327
Halcyon™ Acoustical Ceiling	HCR6225	600*1200*25	SL	8	5.76	20	115.20	15.8	316
Halcyon™ Acoustical Ceiling	HCR2425	610*1220*25	SL	8	5.95	20	119.04	16.3	327
Halcyon™ Acoustical Ceiling	HCR6638	600*600*38	SL	6	2.16	40	86.40	9.0	360
Halcyon™ Acoustical Ceiling	HCR2238	610*610*38	SL	6	2.23	40	89.28	9.3	372
Halcyon™ Acoustical Ceiling	HCR6238	600*1200*38	SL	6	4.32	20	86.40	18.0	360
Halcyon™ Acoustical Ceiling	HCR2438	610*1220*38	SL	6	4.46	20	89.28	18.6	372
Halcyon™ Acoustical Ceiling	HCRF6625	600*600*25	FL	8	2.88	40	115.20	8.2	328
Halcyon™ Acoustical Ceiling	HCRF2225	610*610*25	FL	8	2.98	40	119.04	8.5	339
Halcyon™ Acoustical Ceiling	HCRF6225	600*1200*25	FL	8	5.76	20	115.20	8.5	170
Halcyon™ Acoustical Ceiling	HCRF2425	610*1220*25	FL	8	5.95	20	119.04	8.8	176
Halcyon™ Acoustical Ceiling	HCRF6638	600*600*38	FL	6	2.16	40	86.40	9.0	360
Halcyon™ Acoustical Ceiling	HCRFDC669	600*600*19	D-BESK	10	3.60	32	115.20	10.3	328
Halcyon™ Acoustical Ceiling	HCRFDC629	600*1200*19	D-BESK	6	4.32	32	138.24	12.3	394
Halcyon™ Acoustical Ceiling	HCRFDC6625	600*600*25	D-BESK	8	2.88	32	92.16	10.8	346
Halcyon™ Acoustical Ceiling	HCRFDC6225	600*1200*25	D-BESK	8	5.76	32	184.32	21.6	691
Halcyon™ Acoustical Ceiling	HCRFDC6638	600*600*38	D-BESK	6	2.16	32	69.12	12.3	394
Halcyon™ Acoustical Ceiling	HCRFDC6238	600*1200*38	S-BESK	6	4.32	32	138.24	24.6	787
Halcyon™ Acoustical Ceiling	HCDSC6625	600*600*25	S-BESK	8	2.88	32	92.16	10.8	346
Halcyon™ Acoustical Ceiling	HCDSC6225	600*1200*25	S-BESK	8	5.76	32	184.32	21.6	691
Halcyon™ Healthcare Acoustical Ceiling	HC669-HC	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Halcyon™ Healthcare Acoustical Ceiling	HC229-HC	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Halcyon™ Healthcare Acoustical Ceiling	HC629-HC	600*1200*19	SQ	6	4.32	40	172.80	9.0	360
Halcyon™ Healthcare Acoustical Ceiling	HC249-HC	610*1220*19	SQ	6	4.46	40	178.56	9.3	372
Halcyon™ Healthcare Acoustical Ceiling	HC6625-HC	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Healthcare Acoustical Ceiling	HC2225-HC	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Healthcare Acoustical Ceiling	HC6225-HC	600*1200*25	SQ	8	5.76	20	115.20	13.8	276
Halcyon™ Healthcare Acoustical Ceiling	HC2425-HC	610*1220*25	SQ	8	5.95	20	119.04	14.3	285
Halcyon™ Healthcare Acoustical Ceiling	HC6638-HC	600*600*38	SQ	6	2.16	40	86.40	8.5	340
Halcyon™ Healthcare Acoustical Ceiling	HC2238-HC	610*610*38	SQ	6	2.23	40	89.28	8.8	351
Halcyon™ Healthcare Acoustical Ceiling	HC6238-HC	600*1220*38	SQ	6	4.32	20	86.40	17.0	340
Halcyon™ Healthcare Acoustical Ceiling	HC2238-HC	610*1220*38	SQ	6	4.46	20	89.28	17.6	351
Halcyon™ Healthcare Acoustical Ceiling	HCRF6625-HC	600*600*25	FL	8	2.88	40	115.20	6.9	276
Halcyon™ Healthcare Acoustical Ceiling	HCRF2225-HC	610*610*25	FL	8	2.98	40	119.04	7.1	285
Halcyon™ Healthcare Acoustical Ceiling	HCRF6225-HC	600*1200*25	FL	8	5.76	20	115.20	13.8	276
Halcyon™ Healthcare Acoustical Ceiling	HCRF2425-HC	610*1220*25	FL	8	5.95	20	119.04	14.3	285
Halcyon™ Healthcare Acoustical Ceiling	HCR6625-HC	600*600*25	SL	8	2.88	40	115.20	6.9	276
Halcyon™ Healthcare Acoustical Ceiling	HCR2225-HC	610*610*25	SL	8	2.98	40	119.04	7.1	285
Halcyon™ Healthcare Acoustical Ceiling	HCR6225-HC	600*1200*25	SL	8	5.76	20	115.20	13.8	276
Halcyon™ Healthcare Acoustical Ceiling	HCR2425-HC	610*1220*25	SL	8	5.95	20	119.04	14.3	285
Halcyon™ Black Acoustical Ceiling	HC669B	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Halcyon™ Black Acoustical Ceiling	HC229B	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Halcyon™ Black Acoustical Ceiling	HC629B	600*1200*19	SQ	6	4.32	40	172.80	9.0	360
Halcyon™ Black Acoustical Ceiling	HC249B	610*1220*19	SQ	6	4.46	40	178.56	9.3	372
Halcyon™ Black Acoustical Ceiling	HC6625B	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Black Acoustical Ceiling	HC2225B	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Black Acoustical Ceiling	HC6238B	600*1200*38	SQ	6	4.32	20	86.40	10.4	207
Halcyon™ Black Acoustical Ceiling	HC2438B	610*1220*38	SQ	6	4.46	20	89.28	10.7	214
Halcyon™ Black Acoustical Ceiling	HC6638B	600*600*38	SQ	6	2.16	40	86.40	8.5	340
Halcyon™ Black Acoustical Ceiling	HC2238B	610*610*38	SQ	6	2.23	40	89.28	8.8	351
Halcyon™ Black Acoustical Ceiling	HCE6240B-AF*	600*1200*40	SQ	6	4.32	20	86.40	17.0	340
Halcyon™ Black Acoustical Ceiling	HCE2440B-AF*	610*1220*40	SQ	6	4.46	20	89.28	17.6	351

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Halcyon™ Black Acoustical Ceiling	HCE6640B-AF*	600*600*40	SQ	8	2.88	40	115.20	6.9	276
Halcyon™ Black Acoustical Ceiling	HCE2240B-AF*	610*610*40	SQ	8	2.98	40	119.04	7.1	285
Halcyon™ Black Acoustical Ceiling	HCE6650B	600*600*50	SQ	4	1.44	40	57.60	7.9	316
Halcyon™ Black Acoustical Ceiling	HCE2250B	610*610*50	SQ	4	1.49	40	59.52	8.2	327
Halcyon™ Black Acoustical Ceiling	HCE6250B	600*1200*50	SQ	4	2.88	20	57.60	15.8	317
Halcyon™ Black Acoustical Ceiling	HCE2450B	610*1220*50	SQ	4	2.98	20	59.52	16.4	327
Louna™ Elegant Acoustical Ceiling	LC669	600*600*19	SQ	10	3.60	40	144.00	7.5	300
Louna™ Elegant Acoustical Ceiling	LC229	610*610*19	SQ	10	3.72	40	148.80	7.8	310
Louna™ Elegant Acoustical Ceiling	LC6625	600*600*25	SQ	8	2.88	40	115.20	6.9	276
Louna™ Elegant Acoustical Ceiling	LC2225	610*610*25	SQ	8	2.98	40	119.04	7.1	285
Louna™ Elegant Acoustical Ceiling	LC3225	300*1200*25	SQ	8	2.88	40	115.20	6.9	276
Louna™ Elegant Acoustical Ceiling	LC1425	310*1220*25	SQ	8	3.03	40	121.02	7.2	290
Louna™ Elegant Acoustical Ceiling	LC6625-AF*	600*600*25	SQ	8	2.88	40	115.20	7.5	300
Louna™ Elegant Acoustical Ceiling	LC2225-AF*	610*610*25	SQ	8	2.98	40	119.04	7.8	310
Louna™ Elegant Acoustical Ceiling	LC6638-AF*	600*600*38	SQ	6	2.16	40	86.40	8.5	340
Louna™ Elegant Acoustical Ceiling	LC2238-AF*	610*610*38	SQ	6	2.23	40	89.28	8.8	351
Louna™ Elegant Acoustical Ceiling	LCR669	600*600*19	SL	10	3.60	40	144.00	10.3	410
Louna™ Elegant Acoustical Ceiling	LCR229	610*610*19	SL	10	3.78	40	151.28	10.8	431
Louna™ Elegant Acoustical Ceiling	LCR6625	600*600*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCR2225	610*610*25	SL	8	2.98	40	119.04	11.2	446
Louna™ Elegant Acoustical Ceiling	LCR3225	300*1200*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCR1425	310*1220*25	SL	8	3.03	40	121.02	11.3	454
Louna™ Elegant Acoustical Ceiling	LCR6225	600*1200*25	SL	8	5.76	20	115.20	21.6	432
Louna™ Elegant Acoustical Ceiling	LCR2425	610*1220*25	SL	8	5.95	20	119.04	22.3	446
Louna™ Elegant Acoustical Ceiling	LCRF669	600*600*19	FL	10	3.60	40	144.00	10.3	412
Louna™ Elegant Acoustical Ceiling	LCRF229	610*610*19	FL	10	3.72	40	148.80	10.6	426
Louna™ Elegant Acoustical Ceiling	LCRF6625	600*600*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCRF2225	610*610*25	FL	8	2.98	40	119.04	11.2	446
Louna™ Elegant Acoustical Ceiling	LCRF6225	600*1200*25	FL	8	2.88	20	57.60	10.8	216
Louna™ Elegant Acoustical Ceiling	LCRF2425	610*1220*25	FL	8	2.98	20	59.52	11.2	223
Louna™ Elegant Acoustical Ceiling	LCRF3225	300*1200*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Elegant Acoustical Ceiling	LCRF1425	310*1220*25	FL	8	3.03	40	121.02	11.4	454
Louna™ Elegant Acoustical Ceiling	LCRFDC669	600*600*19	D-BESK	10	3.60	32	115.20	10.3	330
Louna™ Elegant Acoustical Ceiling	LCRFDC6625	600*600*25	D-BESK	10	3.72	32	119.04	10.6	341
Louna™ Elegant Acoustical Ceiling	LCRFDC6638	600*600*38	D-BESK	6	2.16	32	69.12	12.3	394
Louna™ Elegant Acoustical Ceiling	LCDSC6625	600*600*25	S-BESK	8	2.88	32	92.16	10.8	346
Louna™ Elite Acoustical Ceiling	LEC669	600*600*19	SQ	10	3.60	40	144.00	10.3	412
Louna™ Elite Acoustical Ceiling	LEC229	610*610*19	SQ	10	3.72	40	148.80	10.6	426
Louna™ Elite Acoustical Ceiling	LEC629	600*1200*19	SQ	6	4.32	40	172.80	12.4	494
Louna™ Elite Acoustical Ceiling	LEC249	610*1220*19	SQ	6	4.46	40	178.56	12.8	511
Louna™ Elite Acoustical Ceiling	LEC6625	600*600*25	SQ	8	2.88	40	115.20	10.8	432
Louna™ Elite Acoustical Ceiling	LEC2225	610*610*25	SQ	8	2.98	40	119.04	11.2	446
Louna™ Elite Acoustical Ceiling	LEC6225	600*1200*25	SQ	8	5.76	20	115.20	21.6	432
Louna™ Elite Acoustical Ceiling	LEC2425	610*1220*25	SQ	8	5.95	20	119.04	22.3	446
Louna™ Elite Acoustical Ceiling	LECR669	600*600*19	SL	10	3.60	40	144.00	10.3	412
Louna™ Elite Acoustical Ceiling	LECR229	610*610*19	SL	10	3.72	40	148.80	10.6	426
Louna™ Elite Acoustical Ceiling	LECR629	600*1200*19	SL	6	4.32	40	172.80	12.4	494
Louna™ Elite Acoustical Ceiling	LECR249	610*1220*19	SL	6	4.46	40	178.56	12.8	511
Louna™ Elite Acoustical Ceiling	LECR6625	600*600*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Elite Acoustical Ceiling	LECR2225	610*610*25	SL	8	2.98	40	119.04	11.2	446
Louna™ Elite Acoustical Ceiling	LECR6225	600*1200*25	SL	8	5.76	20	115.20	21.6	432
Louna™ Elite Acoustical Ceiling	LECR2425	610*1220*25	SL	8	5.95	20	119.04	22.3	446
Louna™ Elite Acoustical Ceiling	LECRF669	600*600*19	FL	10	3.60	40	144.00	10.3	412
Louna™ Elite Acoustical Ceiling	LECRF229	610*610*19	FL	10	3.72	40	148.80	10.6	426
Louna™ Elite Acoustical Ceiling	LECRF629	600*1200*19	FL	6	4.32	40	172.80	12.4	494
Louna™ Elite Acoustical Ceiling	LECRF249	610*1220*19	FL	6	4.46	40	178.56	12.8	511
Louna™ Elite Acoustical Ceiling	LECRF6625	600*600*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Elite Acoustical Ceiling	LECRF2225	610*610*25	FL	8	2.98	40	119.04	11.2	446
Louna™ Elite Acoustical Ceiling	LECRF6225	600*1200*25	FL	8	5.76	20	115.20	21.6	432
Louna™ Elite Acoustical Ceiling	LECRF2425	610*1220*25	FL	8	5.95	20	119.04	22.3	446
Louna™ Natural Acoustical Ceiling	LNC665	600*600*15	SQ	12	4.32	40	172.80	6.5	259
Louna™ Natural Acoustical Ceiling	LNC225	610*610*15	SQ	12	4.46	40	178.56	6.7	268
Louna™ Natural Acoustical Ceiling	LNC625	600*1200*15	SQ	8	5.76	40	230.40	8.6	346

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Louna™ Natural Acoustical Ceiling	LNC245	610*1220*15	SQ	8	5.95	40	238.08	8.9	357
Louna™ Natural Acoustical Ceiling	LNC669	600*600*19	SQ	10	3.60	40	144.00	6.5	260
Louna™ Natural Acoustical Ceiling	LNC229	610*610*19	SQ	10	3.72	40	148.80	6.7	269
Louna™ Natural Acoustical Ceiling	LNC629	600*1200*19	SQ	6	4.32	40	172.80	7.8	312
Louna™ Natural Acoustical Ceiling	LNC249	610*1220*19	SQ	6	4.46	40	178.56	8.1	322
Louna™ Hygiene Acoustical Ceiling	LC669H	600*600*19	SQ	10	3.60	40	144.00	6.5	260
Louna™ Hygiene Acoustical Ceiling	LC229H	610*610*19	SQ	10	3.72	40	148.80	6.7	269
Louna™ Hygiene Acoustical Ceiling	LC6625H	600*600*25	SQ	8	2.88	40	115.20	7.2	288
Louna™ Hygiene Acoustical Ceiling	LC2225H	610*610*25	SQ	8	2.98	40	119.04	7.4	298
Louna™ Hygiene Acoustical Ceiling	LC3225H	300*1200*25	SQ	8	2.88	40	115.20	7.2	288
Louna™ Hygiene Acoustical Ceiling	LC1425H	310*1220*25	SQ	8	3.03	40	121.02	7.6	303
Louna™ Hygiene Acoustical Ceiling	LC6625-AFH*	600*600*25	SQ	8	2.88	40	115.20	7.2	288
Louna™ Hygiene Acoustical Ceiling	LC2225-AFH*	610*610*25	SQ	8	2.98	40	119.04	7.4	298
Louna™ Hygiene Acoustical Ceiling	LC6638-AFH*	600*600*38	SQ	6	2.16	40	86.40	8.2	328
Louna™ Hygiene Acoustical Ceiling	LC2238-AFH*	610*610*38	SQ	6	2.23	40	89.28	8.5	339
Louna™ Hygiene Acoustical Ceiling	LCR669H	600*600*19	SL	10	3.60	40	144.00	10.3	410
Louna™ Hygiene Acoustical Ceiling	LCR229H	610*610*19	SL	10	3.72	40	148.80	10.6	424
Louna™ Hygiene Acoustical Ceiling	LCR6625H	600*600*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCR2225H	610*610*25	SL	8	2.98	40	119.04	11.2	446
Louna™ Hygiene Acoustical Ceiling	LCR3225H	300*1200*25	SL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCR1425H	310*1220*25	SL	8	3.03	40	121.02	11.3	452
Louna™ Hygiene Acoustical Ceiling	LCR6225H	600*1200*25	SL	8	5.76	20	115.20	21.6	432
Louna™ Hygiene Acoustical Ceiling	LCR2425H	610*1220*25	SL	8	5.95	20	119.04	22.3	446
Louna™ Hygiene Acoustical Ceiling	LCRF669H	600*600*19	FL	10	3.60	40	144.00	10.3	410
Louna™ Hygiene Acoustical Ceiling	LCRF229H	610*610*19	FL	10	3.72	40	148.80	10.6	424
Louna™ Hygiene Acoustical Ceiling	LCRF6625H	600*600*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCRF2225H	610*610*25	FL	8	2.98	40	119.04	11.2	446
Louna™ Hygiene Acoustical Ceiling	LCRF6225H	600*1200*25	FL	8	2.88	20	57.60	10.8	216
Louna™ Hygiene Acoustical Ceiling	LCRF2425H	610*1220*25	FL	8	3.03	20	60.51	11.3	226
Louna™ Hygiene Acoustical Ceiling	LCRF3225H	300*1200*25	FL	8	2.88	40	115.20	10.8	432
Louna™ Hygiene Acoustical Ceiling	LCRF1425H	310*1220*25	FL	8	3.03	40	121.02	11.4	454
Louna™ Hygiene Acoustical Ceiling	LCRFDC669H	600*600*19	D-BESK	10	3.60	32	115.20	10.3	328
Louna™ Hygiene Acoustical Ceiling	LCRFDC6625H	600*600*25	D-BESK	10	3.72	32	119.04	10.8	346
Louna™ Hygiene Acoustical Ceiling	LCRFDC6638H	600*600*38	D-BESK	6	2.16	32	69.12	12.3	394
Louna™ Hygiene Acoustical Ceiling	LCDS6625H	600*600*25	S-BESK	8	2.88	32	92.16	16.4	525
Louna™ Hi CAC Acoustical Ceiling	LCX6643-MF	600*600*43	SQ	4	1.44	40	57.60	10.2	406
Louna™ Hi CAC Acoustical Ceiling	LCX2243-MF	610*610*43	SQ	4	1.49	40	59.52	10.5	420
Louna™ Hi CAC Acoustical Ceiling	LCX6243-MF	600*1200*43	SQ	4	2.88	20	57.60	20.3	406
Louna™ Hi CAC Acoustical Ceiling	LCX2443-MF	610*1220*43	SQ	4	2.98	20	59.52	21.0	420
Louna™ Hi CAC Acoustical Ceiling	LCXX6253-MF	600*600*53	SQ	4	1.44	40	57.60	16.4	655
Louna™ Hi CAC Acoustical Ceiling	LCXX2453-MF	610*610*53	SQ	4	1.49	40	59.52	16.9	677
Louna™ Hi CAC Acoustical Ceiling	LCXX6253-MF	600*1200*53	SQ	4	2.88	20	57.60	32.8	655
Louna™ Hi CAC Acoustical Ceiling	LCXX2453-MF	610*1220*53	SQ	4	2.98	20	59.52	32.8	655
Louna™ Hi CAC Acoustical Ceiling	LCXRF6643-MF	600*600*43	FL	4	1.44	40	57.60	10.9	435
Louna™ Hi CAC Acoustical Ceiling	LCXRF2243-MF	610*1220*43	FL	4	2.98	20	59.52	22.5	449
Louna™ Hi CAC Acoustical Ceiling	LCXRF6243-MF	600*1200*43	FL	4	2.88	20	57.60	21.7	435
Louna™ Hi CAC Acoustical Ceiling	LCXRF2443-MF	610*1220*43	FL	4	2.98	20	59.52	22.5	449
Louna™ Hi CAC Acoustical Ceiling	LCXXRF6253-MF	600*600*53	FL	4	1.44	40	57.60	16.4	655
Louna™ Hi CAC Acoustical Ceiling	LCXXRF2453-MF	610*1220*53	FL	4	2.98	20	59.52	33.9	677
Louna™ Hi CAC Acoustical Ceiling	LCXXRF6653-MF	600*1200*53	FL	4	2.88	20	57.60	32.8	655
Louna™ Hi CAC Acoustical Ceiling	LCXXRF2253-MF	610*1220*53	FL	4	2.98	20	59.52	33.9	677
Louna™ Hi CAC Black Acoustical Ceiling	LCX6643B-MF	600*600*43	SQ	4	1.44	40	57.60	10.2	406
Louna™ Hi CAC Black Acoustical Ceiling	LCX2243B-MF	610*610*43	SQ	4	1.49	40	59.52	10.5	420
Louna™ Hi CAC Black Acoustical Ceiling	LCX6243B-MF	600*1200*43	SQ	4	2.88	20	57.60	20.3	406
Louna™ Hi CAC Black Acoustical Ceiling	LCX2443B-MF	610*1220*43	SQ	4	2.98	20	59.52	21.0	420
Louna™ Hi CAC Black Acoustical Ceiling	LCXX6653B-MF	600*600*53	SQ	4	1.44	40	57.60	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LCXX2253B-MF	610*610*53	SQ	4	1.49	40	59.52	16.4	655
Louna™ Hi CAC Black Acoustical Ceiling	LCXX6253B-MF	600*1200*53	SQ	4	2.88	20	57.60	16.4	328
Louna™ Hi CAC Black Acoustical Ceiling	LCXX2453B-MF	610*1220*53	SQ	4	2.98	20	59.52	16.4	328
Lay-In Ceiling - Plain Aluminum	ALN-6006006R16	600*600*0.6	FL	20	7.20	24	172.80	13.0	312
Lay-In Ceiling - Plain Aluminum	ALN-6006007R16	600*600*0.7	FL	20	7.20	24	172.80	15.0	360
Lay-In Ceiling - Plain Aluminum	ALN-3003006R16	300*300*0.6	FL	20	1.80	60	108.00	3.5	210
Lay-In Ceiling - Plain Aluminum	ALN-3003007R16	300*300*0.7	FL	20	1.80	60	108.00	4.0	240

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Lay-In Ceiling - Plain Aluminum	ALN-60012006R16	600*1200*0.6	FL	20	14.40	12	172.80	25.5	306
Lay-In Ceiling - Plain Aluminum	ALN-60012007R16	600*1200*0.7	FL	20	14.40	12	172.80	30.0	360
Lay-In Ceiling - Plain Steel	SLN-6006006R16	600*600*0.6	FL	20	7.20	24	172.80	35.0	840
Lay-In Ceiling - Perforated Aluminum	ALPA1N-6006006R16	600*600*0.6	FL	20	7.20	24	172.80	13.0	312
Lay-In Ceiling - Perforated Aluminum	ALPA1N-6006007R16	600*600*0.7	FL	20	7.20	24	172.80	15.0	360
Lay-In Ceiling - Perforated Aluminum	ALPA1N-3003006R16	300*300*0.6	FL	20	1.80	60	108.00	3.5	210
Lay-In Ceiling - Perforated Aluminum	ALPA1N-3003007R16	300*300*0.7	FL	20	1.80	60	108.00	4.0	240
Lay-In Ceiling - Perforated Aluminum	ALPA1N-60012006R16	600*1200*0.6	FL	20	14.40	12	172.80	25.5	306
Lay-In Ceiling - Perforated Aluminum	ALPA1N-60012007R16	600*1200*0.7	FL	20	14.40	12	172.80	30.0	360
Lay-In Ceiling - Perforated Steel	SLPA1N-6006006R16	600*600*0.6	FL	20	7.20	24	172.80	35.0	840
Lay-In Ceiling - Plain Aluminum	ALW-6006006R16	600*600*0.6	SL	20	7.20	24	172.80	13.0	312
Lay-In Ceiling - Plain Aluminum	ALW-6006007R16	600*600*0.7	SL	20	7.20	24	172.80	15.0	360
Lay-In Ceiling - Plain Aluminum	ALW-3003006R16	300*300*0.6	SL	20	1.80	60	108.00	3.5	210
Lay-In Ceiling - Plain Aluminum	ALW-3003007R16	300*300*0.7	SL	20	1.80	60	108.00	4.0	240
Lay-In Ceiling - Plain Aluminum	ALW-60012006R16	600*1200*0.6	SL	20	14.40	12	172.80	25.5	306
Lay-In Ceiling - Plain Aluminum	ALW-60012007R16	600*1200*0.7	SL	20	14.40	12	172.80	30.0	360
Lay-In Ceiling - Plain Steel	SLW-6006006R16	600*600*0.6	SL	20	7.20	24	172.80	35.0	840
Lay-In Ceiling - Perforated Aluminum	ALPA1W-6006006R16	600*600*0.6	SL	20	7.20	24	172.80	13.0	312
Lay-In Ceiling - Perforated Aluminum	ALPA1W-6006007R16	600*600*0.7	SL	20	7.20	24	172.80	15.0	360
Lay-In Ceiling - Perforated Aluminum	ALPA1W-3003006R16	300*300*0.6	SL	20	1.80	60	108.00	3.5	210
Lay-In Ceiling - Perforated Aluminum	ALPA1W-3003007R16	300*300*0.7	SL	20	1.80	60	108.00	4.0	240
Lay-In Ceiling - Perforated Aluminum	ALPA1W-60012006R16	600*1200*0.6	SL	20	14.40	12	172.80	25.5	306
Lay-In Ceiling - Perforated Aluminum	ALPA1W-60012007R16	600*1200*0.7	SL	20	14.40	12	172.80	30.0	360
Lay-In Ceiling - Perforated Steel	SLPA1W-6006006R16	600*600*0.6	SL	20	7.20	24	172.80	35.0	840
Clip-In Ceiling Plain Aluminum	AC-6006006R16	600*600*0.6	Beveled	20	7.20	24	172.80	14.0	336
Clip-In Ceiling Plain Aluminum	AC-6006007R16	600*600*0.7	Beveled	20	7.20	24	172.80	16.5	396
Clip-In Ceiling Plain Aluminum	AC-3003006R16	300*300*0.6	Beveled	20	1.80	60	108.00	4.0	240
Clip-In Ceiling Plain Aluminum	AC-3003007R16	300*300*0.7	Beveled	20	1.80	60	108.00	4.5	270
Clip-In Ceiling Plain Aluminum	AC-60012006R16	600*1200*0.6	Beveled	18	12.96	12	155.52	25.5	306
Clip-In Ceiling Plain Aluminum	AC-60012007R16	600*1200*0.7	Beveled	18	12.96	12	155.52	30.0	360
Clip-In Ceiling Plain Aluminum	AC-30012007R16	300*1200*0.7	Beveled	18	6.48	20	129.60	16.0	320
Clip-In Ceiling Plain Aluminum	AC-30015007R16	300*1500*0.7	Beveled	18	8.10	20	162.00	20.0	400
Clip-In Ceiling Plain Aluminum	AC-1200120014R16	1200*1200*1.4	Beveled	18	25.92	4	103.68	114.0	456
Clip-In Ceiling Plain Steel	SC-6006006R16	600*600*0.6	Beveled	20	7.20	24	172.80	38.0	912
Clip-In Ceiling Perforated Aluminum	ACPA1-6006006R16	600*600*0.6	Beveled	20	7.20	24	172.80	14.0	336
Clip-In Ceiling Perforated Aluminum	ACPA1-6006007R16	600*600*0.7	Beveled	20	7.20	24	172.80	16.5	396
Clip-In Ceiling Perforated Aluminum	ACPA1-3003006R16	300*300*0.6	Beveled	20	1.80	60	108.00	4.0	240
Clip-In Ceiling Perforated Aluminum	ACPA1-3003007R16	300*300*0.7	Beveled	20	1.80	60	108.00	4.5	270
Clip-In Ceiling Perforated Aluminum	ACPA1-60012006R16	600*1200*0.6	Beveled	18	12.96	12	155.52	25.5	306
Clip-In Ceiling Perforated Aluminum	ACPA1-60012007R16	600*1200*0.7	Beveled	18	12.96	12	155.52	30.0	360
Clip-In Ceiling Perforated Aluminum	ACPA1-30012007R16	300*1200*0.7	Beveled	18	6.48	20	129.60	16.0	320
Clip-In Ceiling Perforated Aluminum	ACPA1-30015007R16	300*1500*0.7	Beveled	18	8.10	20	162.00	20.0	400
Clip-In Ceiling Perforated Aluminum	ACPA1-1200120014R16	1200*1200*1.4	Beveled	18	25.92	4	103.68	114.0	456
Clip-In Ceiling Perforated Steel	SCPA1-6006006R16	600*600*0.6	Beveled	20	7.20	24	172.80	38.0	912
Painted Gypsum Ceiling	GT-BS6609	600*600*9.5	SQ	8	2.88	64	184.32	20.5	1,312
Painted Gypsum Ceiling	GT-BS2209	610*610*9.5	SQ	8	2.98	64	190.46	21.2	1,356
Painted Gypsum Ceiling	GT-BS662	600*600*12.5	SQ	6	2.16	64	138.24	21.0	1,344
Painted Gypsum Ceiling	GT-BS222	610*610*12.5	SQ	6	2.23	64	142.85	21.7	1,389
Painted Gypsum Ceiling	GT-BS622	600*1200*12.5	SQ	6	4.32	32	138.24	42.0	1,344
Painted Gypsum Ceiling	GT-BS242	610*1220*12.5	SQ	6	4.46	32	142.85	43.4	1,389
Painted Gypsum Ceiling	GT-BSR662	600*600*12.5	SL	6	2.16	64	138.24	21.0	1,344
Painted Gypsum Ceiling	GT-BSR222	610*610*12.5	SL	6	2.23	64	142.85	21.7	1,389
Painted Gypsum Ceiling	GT-BSR622	600*1200*12.5	SL	6	4.32	32	138.24	42.0	1,344
Painted Gypsum Ceiling	GT-BSR242	610*1220*12.5	SL	6	4.46	32	142.85	43.4	1,389
Painted Gypsum Ceiling	GT-BSRF662	600*600*12.5	FL	6	2.16	64	138.24	21.0	1,344
Painted Gypsum Ceiling	GT-BSRF222	610*610*12.5	FL	6	2.23	64	142.85	21.7	1,389
Painted Gypsum Ceiling	GT-BSRF622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Painted Gypsum Ceiling	GT-BSRF242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-SP6609	600*600*9.5	SQ	8	2.88	64	184.32	20.5	1,312
Shades Gypsum Ceiling	LG-SP2209	610*610*9.5	SQ	8	2.98	64	190.46	21.2	1,356
Shades Gypsum Ceiling	LG-PW6609	600*600*9.5	SQ	8	2.88	64	184.32	20.5	1,312
Shades Gypsum Ceiling	LG-PW2209	610*610*9.5	SQ	8	2.98	64	190.46	21.2	1,356
Shades Gypsum Ceiling	LG-SP662	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Shades Gypsum Ceiling	LG-SP222	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Shades Gypsum Ceiling	LG-PW662	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184
Shades Gypsum Ceiling	LG-PW222	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Shades Gypsum Ceiling	LG-SP622	600*1200*12.5	SQ	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-SP242	610*1220*12.5	SQ	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-PW622	600*1200*12.5	SQ	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-PW242	610*1220*12.5	SQ	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-SPR662	600*600*12.5	SL	6	2.16	64	138.24	21.0	1,344
Shades Gypsum Ceiling	LG-SPR222	610*610*12.5	SL	6	2.23	64	142.85	21.7	1,389
Shades Gypsum Ceiling	LG-PWR662	600*600*12.5	SL	6	2.16	64	138.24	21.0	1,344
Shades Gypsum Ceiling	LG-PWR222	610*610*12.5	SL	6	2.23	64	142.85	21.7	1,389
Shades Gypsum Ceiling	LG-SPRF662	600*600*12.5	FL	6	2.16	64	138.24	21.0	1,344
Shades Gypsum Ceiling	LG-SPRF222	610*610*12.5	FL	6	2.23	64	142.85	21.7	1,389
Shades Gypsum Ceiling	LG-PWRF662	600*600*12.5	FL	6	2.16	64	138.24	21.0	1,344
Shades Gypsum Ceiling	LG-PWRF222	610*610*12.5	FL	6	2.23	64	142.85	21.7	1,389
Shades Gypsum Ceiling	LG-SPR622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-SPR242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-PWR622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-PWR242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-SPRF622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-SPRF242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Shades Gypsum Ceiling	LG-PWRF622	600*1200*12.5	FL	6	4.32	32	138.24	42.0	1,344
Shades Gypsum Ceiling	LG-PWRF242	610*1220*12.5	FL	6	4.46	32	142.85	43.4	1,389
Soundblock Gypsum Ceiling - R6	GT-PS6609-R6	600*600*9.5	SQ	8	2.88	64	184.32	19.0	1,216
Soundblock Gypsum Ceiling - R6	GT-PS2209-R6	610*610*9.5	SQ	8	2.98	64	190.46	19.6	1,257
Soundblock Gypsum Ceiling - R6	GT-PS662-R6	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	GT-PS222-R6	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Soundblock Gypsum Ceiling - R6	GT-PS622-R6	600*1200*12.5	SQ	6	4.32	32	138.24	37.0	1,184
Soundblock Gypsum Ceiling - R6	GT-PS242-R6	610*1220*12.5	SQ	6	4.46	32	142.85	38.2	1,223
Soundblock Gypsum Ceiling - R6	LG-SP6609-R6	600*600*9.5	SQ	8	2.88	64	184.32	19.0	1,216
Soundblock Gypsum Ceiling - R6	LG-SP2209-R6	610*610*9.5	SQ	8	2.98	64	190.46	19.6	1,257
Soundblock Gypsum Ceiling - R6	LG-SP662-R6	600*600*12.5	SQ	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	LG-SP222-R6	610*610*12.5	SQ	6	2.23	64	142.85	19.1	1,223
Soundblock Gypsum Ceiling - R6	LG-SP622-R6	600*1200*12.5	SQ	6	4.32	32	138.24	37.0	1,184
Soundblock Gypsum Ceiling - R6	LG-SP242-R6	610*1220*12.5	SQ	6	4.46	32	142.85	38.2	1,223
Soundblock Gypsum Ceiling - R6	GT-PSR662-R6	600*600*12.5	SL	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	GT-PSR622-R6	600*1200*12.5	SL	6	4.32	32	138.24	38.2	1,223
Soundblock Gypsum Ceiling - R6	LG-SPR662-R6	600*600*12.5	SL	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	LG-SPR622-R6	600*1200*12.5	SL	6	4.32	32	138.24	38.2	1,223
Soundblock Gypsum Ceiling - R6	GT-PSRF662-R6	600*600*12.5	FL	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	GT-PSRF622-R6	600*1200*12.5	FL	6	4.32	32	138.24	38.2	1,223
Soundblock Gypsum Ceiling - R6	LG-SPRF662-R6	600*600*12.5	FL	6	2.16	64	138.24	18.5	1,184
Soundblock Gypsum Ceiling - R6	LG-SPRF622-R6	600*1200*12.5	FL	6	4.32	32	138.24	38.2	1,223
Soundblock Gypsum Ceiling - R8-15-20	GT-PS6609-R8-15-20	600*600*9.5	SQ	8	2.88	64	184.32	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	GT-PS662-R8-15-20	600*600*12.5	SQ	6	2.16	64	138.24	16.4	1,052
Soundblock Gypsum Ceiling - R8-15-20	GT-PS622-R8-15-20	600*1200*12.5	SQ	6	4.32	32	138.24	32.9	1,052
Soundblock Gypsum Ceiling - R8-15-20	LG-SP6609-R8-15-20	600*600*9.5	SQ	8	2.88	64	184.32	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	LG-SP662-R8-15-20	600*600*12.5	SQ	6	2.16	64	138.24	16.4	1,052
Soundblock Gypsum Ceiling - R8-15-20	LG-SP622-R8-15-20	600*1200*12.5	SQ	6	4.32	32	138.24	32.9	1,052
Soundblock Gypsum Ceiling - R8-15-20	GT-PSR662-R8-15-20	600*600*12.5	SL	6	2.16	64	138.24	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	GT-PSR622-R8-15-20	600*1200*12.5	SL	6	4.32	32	138.24	33.4	1,069
Soundblock Gypsum Ceiling - R8-15-20	LG-SPR662-R8-15-20	600*600*12.5	SL	6	2.16	64	138.24	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	LG-SPR622-R8-15-20	600*1200*12.5	SL	6	4.32	32	138.24	33.4	1,069
Soundblock Gypsum Ceiling - R8-15-20	GT-PSRF662-R8-15-20	600*600*12.5	FL	6	2.16	64	138.24	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	GT-PSRF622-R8-15-20	600*1200*12.5	FL	6	4.32	32	138.24	33.4	1,069
Soundblock Gypsum Ceiling - R8-15-20	LG-SPRF662-R8-15-20	600*600*12.5	FL	6	2.16	64	138.24	16.7	1,069
Soundblock Gypsum Ceiling - R8-15-20	LG-SPRF622-R8-15-20	600*1200*12.5	FL	6	4.32	32	138.24	33.4	1,069
Soundblock Gypsum Ceiling - Q3	GT-PS6609-Q3	600*600*9.5	SQ	8	2.88	64	184.32	18.5	1,184
Soundblock Gypsum Ceiling - Q3	GT-PS662-Q3	600*600*12.5	SQ	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	GT-PS622-Q3	600*1200*12.5	SQ	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	LG-SP6609-Q3	600*600*9.5	SQ	8	2.88	64	184.32	18.5	1,184
Soundblock Gypsum Ceiling - Q3	LG-SP662-Q3	600*600*12.5	SQ	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	LG-SP622-Q3	600*1200*12.5	SQ	6	4.32	32	138.24	37.4	1,197

ACOUSTICAL CEILING PACKAGING

Product Name	Item Code	Size (mm)	Edge Detail	Carton Volume		Pallet Volume		Weight	
				Number Of Tiles Per Carton	M ² Per Carton	Number Of Carton Per Pallet	M ² Per Pallet	Carton Weight Kg/Ctn	Pallet Weight Kg/Pallet
Soundblock Gypsum Ceiling - Q3	GT-PSR662-Q3	600*600*12.5	SL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSR622-Q3	600*1200*12.5	SL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPR662-Q3	600*600*12.5	SL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPR622-Q3	600*1200*12.5	SL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSRF662-Q3	600*600*12.5	FL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	GT-PSRF622-Q3	600*1200*12.5	FL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPRF662-Q3	600*600*12.5	FL	6	2.16	64	138.24	18.7	1,197
Soundblock Gypsum Ceiling - Q3	LG-SPRF622-Q3	600*1200*12.5	FL	6	4.32	32	138.24	37.4	1,197
Soundblock Gypsum Ceiling - Q9	GT-PS6609-Q9	600*600*9.5	SQ	8	2.88	64	184.32	17.6	1,126
Soundblock Gypsum Ceiling - Q9	GT-PS662-Q9	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PS622-Q9	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SP6609-Q9	600*600*9.5	SQ	8	2.88	64	184.32	17.6	1,126
Soundblock Gypsum Ceiling - Q9	LG-SP662-Q9	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SP622-Q9	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSR662-Q9	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSR622-Q9	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPR662-Q9	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPR622-Q9	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSRF662-Q9	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	GT-PSRF622-Q9	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPRF662-Q9	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q9	LG-SPRF622-Q9	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PS662-Q12	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PS622-Q12	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SP662-Q12	600*600*12.5	SQ	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SP622-Q12	600*1200*12.5	SQ	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSR662-Q12	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSR622-Q12	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPR662-Q12	600*600*12.5	SL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPR622-Q12	600*1200*12.5	SL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSRF662-Q12	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	GT-PSRF622-Q12	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPRF662-Q12	600*600*12.5	FL	6	2.16	64	138.24	18.0	1,152
Soundblock Gypsum Ceiling - Q12	LG-SPRF622-Q12	600*1200*12.5	FL	6	4.32	32	138.24	36.0	1,152

SUSPENDED CEILING GRID PACKAGING

Product Name	Item Code	Total LM Per Carton	Total Pcs Per Carton	Total LM Per Pallet	Total Cartoons Per Pallet	Weight Per Pc (Kg)	Cartoon Weight (kg)	Pallet Weight (kg)
Main Runner								
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 3.6m	801DX3600H33	90.0	25	3,600	40	0.924	24.4	979
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 3.66m	801DX3660H33	91.5	25	3,660	40	0.938	24.7	993
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 3.6m	801DX3600H38	90.0	25	3,600	40	1.045	27.4	1,101
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 3.66m	801DX3660H38	91.5	25	3,660	40	1.062	27.8	1,118
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty - Fire Rated 3.6m	801DXL3600	90.0	25	3,600	40	1.255	32.7	1,311
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty - Fire Rated 3.66m	801DXL3660	91.5	25	3,660	40	1.276	33.2	1,332
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 3.6m	801DXLT15-3600	72.0	20	2,880	40	1.094	23.0	926
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 3.66m	801DXLT15-3660	73.2	20	2,928	40	1.112	23.4	941
Long Cross Tee								
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 1.2m	803DX1200H25	90.00	75	4,320	48	0.269	20.7	1,006
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 1.22m	803DX1220H25	91.50	75	4,392	48	0.275	21.1	1,028
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 1.2m	803DX1200H38	60.00	50	2,880	48	0.349	17.9	875
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 1.22m	803DX1220H38	61.00	50	2,928	48	0.355	18.2	890
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 1.2m	803DXT15-1200H38	72.00	60	3,456	48	0.294	18.0	880
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 1.22m	803DXT15-1220H38	73.20	60	3,514	48	0.299	18.3	895
Short Cross Tee								
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 0.6m	804DX60025	45.00	75	4,320	96	0.131	10.3	1,006
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Intermediate Duty 0.61m	804DX610H25	45.75	75	4,392	96	0.135	10.6	1,034
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 0.6m	804DX600H38	30.00	50	2,880	96	0.175	9.2	901
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T24 Heavy Duty 0.61m	804DX610H38	30.50	50	2,928	96	0.178	9.4	916
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 0.6m	804DXT15-600H38	36.00	60	3,456	96	0.149	9.3	911
USG ME DONN® Brand Acoustical Suspension System DX*/DXL™ T15 Centricitee 0.61m	804DXT15-610H38	36.60	60	3,514	96	0.151	9.5	923
Wall Angle								
Wall Angle Regular 3.6m	802MT3600	144.0	40	5,760	40	0.585	24.2	973
Wall Angle Shadowline 3.6m	802MS3600	180.0	50	4,320	24	0.765	39.5	952
Wall Angle Centricitee 3.6m	802MT15-3600	144.0	40	5,760	40	0.553	22.9	922





WARRANTY AND MAINTENANCE

WARRANTY AND MAINTENANCE

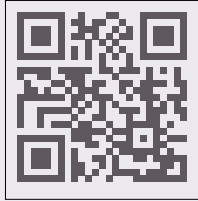
Ceiling Products with 30-Year Limited Warranty

USG Middle East understands the importance of after-sales services that ensure our customers get as much use and value as possible from our systems. Our mission of being a customer-centric company continues! Happier customers are repeat customers!

USG Middle East is closer to its customers than ever before. We have real-time online support, including a WhatsApp bot, social media chat, and a hotline for instant support. Automated Customer Service Lines offer advice and solutions to both simple and complex issues and questions.



+966 92 003 5672



TERMS & CONDITIONS

DELIVERY OF MATERIALS

All materials shall be delivered in their original unopened packages and stored in an enclosed shelter providing protection from damage and exposure to the elements. Never open cartons and keep boards in standing position. This will increase the possibility of tile warpage.

STORAGE

Panels: Storage time of materials at the job site should be as short as possible. Environmental conditions should be as close as possible to those specified for occupancy (see Environmental Conditions below). Excess humidity during storage can cause expansion of material and possible warp, sag, or poor fit after installation. Chemical changes in the mat and/or coatings can be aggravated by excess humidity and cause discoloration during storage, even in unopened cartons. Cartons should be removed from pallets and stringers to prevent distortion of material. Long-term (6- 12 months) storage under uncontrolled environmental conditions should be avoided.

Suspension System: Store in manner that will prevent warping, scratches, or damage of any kind.

- Handling: Handle in such manner to ensure against racking, distortion, or physical damage of any kind.
- Damaged or deteriorated materials should be removed from the premises. Immediately before installation, to stabilize tile and panels, store them at a location where temperature and humidity are consistent with conditions during installation and anticipated for occupancy. In this case, refer to USG Middle East's nearest sales office within three days of receiving the material (provide signed delivery documentation).

ENVIRONMENTAL CONDITIONS

- Installation of acoustical panels shall not begin until building is enclosed, permanent heating and cooling equipment is in operation, and residual moisture from plaster, concrete, or terrazzo work has dissipated.
- Do not use ceiling panels in extreme or continuous high humidity, or areas exposed directly to weather or water. Ceiling panels are sized and designed for use within the standard occupancy range of temperature and humidity, 15-30 °C, no more than 70% RH (relative humidity). Humidity can greatly affect product dimensional stability and sag resistance. Sag can become noticeable during periods of high humidity lasting only a few hours. ClimaPlus™ ceilings, if used with DONN® Brand Suspension Systems, can withstand temperatures from 30-40 °C and relative humidity up to 95%-100% RH. See USG ME for specific warranty information.
- Allow time for dimensional changes in ceiling panels stored at temperature/humidity conditions well outside of those recommended for service. With increases in temperature/humidity, these products expand up to 4mm/m at 30 °C/90% RH and may not fit into a fixed grid. Conversely, with decreases, these products will be undersize, but expand to normal when standard ambient conditions return.
- For some pattern edge details, if perimeter panels must be cut smaller, the cut edge must be field-rabbited, or the wall angle must be lowered by 6mm-10mm (Reveal Depth).
- Formaldehyde & VOC Classification, as tested per ASTM D5116 and according to standards established by the Collaborative for High-Performance Schools (CHPS), the California Office of Environmental Health Hazard Assessment (OEHHA), and the USGBC LEED for Schools.

Products are classified as zero- or low-emitting for formaldehyde and VOC emissions as defined:

a. "Zero-Emitting"

Materials producing concentration levels below the test-chamber background level specified by the "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers," including 2004 addendum. Section 3.8.4.3 states, "Background concentrations in the empty chamber ventilated at 1.0 air changes per hour shall not exceed 2 µg m⁻³ (1.6 ppb) for any individual VOC, including formaldehyde" and all VOCs with chronic inhalation Reference Exposure Levels adopted by California EPA COEHHA for Proposition 65 chemicals.

b. "Low-Emitting"

1. Materials passing CHPS requirements as established in the «Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers,» including 2004 addendum. In addition, these products produce formaldehyde concentration levels below 9 µg m⁻³ & contribute no more than one-half of the chronic inhalation Reference Exposure Level adopted by California EPA COEHHA for all other VOCs identified by Proposition 65.
2. Must be tested by independent lab per these standards along with product submittals.
3. Documentation of laboratory test must indicate product and item number if test results differ from other facility manufacturing location for supplied products.

TERMS & CONDITIONS

QUALITY ASSURANCE

- **Single Source Responsibility:** To obtain combined warranty for the DONN® Brand suspension system and the acoustical panel, color match or ceiling panel and suspension system compatibility, all acoustical panel and suspension system components shall be produced and supplied by one manufacturer. Materials supplied by more than one manufacturer are not acceptable.
- **Subcontractor qualifications:** Installer shall have adequate experience in the installation of suspended ceiling systems on projects similar to those specified. They must also be qualified and approved by USG Middle East's technical department.
- **Requirements of regulatory agencies:** Codes and regulations of authorities having jurisdiction.

Source quality control:

- **Test reports:** Manufacturer will provide test certification for minimum requirements in accordance with applicable industry standards and/or to meet performance standards specified by various agencies.
- **Changes from system:** System performance following any substitution of materials or change in assembly design must be certified by the manufacturer.

PROJECT CONDITIONS

- **Existing conditions:** (include specific alteration work requirements for project).
- **Environmental requirements for interior installation:** Building shall be enclosed with windows and exterior doors in place and glazed. Roof must be watertight before installation of ceiling system and related ceiling components. Climatic Condition Range for panels used on this project are as follows:
 1. **ClimaPlus™ Ceilings:** 15-30 °C with a max 99% RH. ClimaPlus™ ceilings used with DONN® Brand Suspension Systems can be used when building is not enclosed and in higher temperature and humid areas.
- **Coordination with other work:**
 1. **General:** Coordinate with other work supported by or penetrating through the ceiling, including mechanical and electrical work and partition systems.
 2. **Mechanical work:** Ductwork above ceiling shall be completed and permanent heating and cooling systems operating to climate conditions prior to installation of ceiling components.
 3. **Electrical work:** Installation of conduit above ceiling shall be complete before installation of ceiling components.
 4. **Fire protection work:** Fire protection lines and/or equipment occurring above ceiling shall be completed and tested before ceiling components are installed.
- **Protection:**
 1. **Personnel:** Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precaution and wear appropriate personal protective equipment as needed. Read material safety data sheets and related literature for important information on products before installation. Contractor to be solely responsible for all personal safety issues during and subsequent to installation; architect, specifier, owner, and manufacturer will rely on contractor's performance in such regard.
 2. **Protect completed work above ceiling system from damage during installation of ceiling components.**

INSPECTION

- **Examine areas to receive ceiling panels for conditions that will adversely affect installation.** Provide written report of discrepancies.
- **Do not start work until unsatisfactory conditions are corrected.**
- **Work to be concealed:** Verify work above ceiling is completed and installed in manner that will not affect layout and installation of ceiling panels.
- **Beginning of installation shall signify acceptance of conditions in areas to receive ceiling panels.**

PREPARATION

- **Field dimensions must be verified prior to installation.**

INSTALLATION

- **Standard reference:** Install ceiling panels and suspension system, including necessary hangers, grillage, splines, and other supporting hardware, in accordance with ASTM C636, 2006 IBC (2007 CBC), Cisca Ceiling Systems Handbook, (UL Design) and any applicable code requirement.
- **Manufacturer's reference:** Install ceiling panels in exposed grid systems, supported on all edges, in accordance with manufacturer's warranty.
- **Drawing reference:** Install ceiling panels in accordance with approved shop drawings.
- **Hanger Wires:**
 1. **Spacing:** Space hanger wires on main tees not more than 1200mm o.c. a maximum of 1200mm o.c., attaching hangers directly to the structure above, or as required to support loads.
 2. **Limitations:** Do not support wires from mechanical and/or electrical equipment, piping or other equipment occurring above ceiling.

TERMS & CONDITIONS

- **Ceiling Perimeter:** Install edge moldings (50mm minimum) and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal acoustical panel edges.
 1. Tee ends shall be tied together with USG ME specified accessories or other approved means to prevent the tees from spreading apart.
 2. Mechanically attach the terminal ends of the ceiling suspension members to the perimeter molding of two adjoining walls using pop-rivets or other approved means.
 3. Maintain a 20mm clearance between the opposite ends of the suspension members and the wall. The unattached ends of the suspension members shall rest upon and be free to slide perpendicularly to the perimeter molding.
- **Alternate Perimeter Attachment:** When required by local code, install 22mm edge molding with ACM7 Seismic Clip.
- **Accessories:** Install accessories as applicable to meet project requirements.
 1. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal acoustical tile edges.
 2. Install suspension system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.
- **Install acoustical tiles in coordination with suspension system.**
 1. Fit adjoining tile to form flush, tight joints. Scribe and cut tile for accurate fit at borders and around penetrations through tile.
 2. Remove and replace any damaged tiles.
- **Lighting Fixtures:**
 1. All light fixtures shall be mechanically attached to the suspension system per NEC 410-16 (two per fixture unless the fixture is independently supported).
 2. Support of rigid lay-in or can light fixtures:
 - a. Each fixture less than 4.5 Kg shall have a single wire (wire may be slack) attached from the fixture to structure.
 - b. Each fixture that weighs between 4.5 and 25 Kg shall have two wires (wires may be slack) attached at diagonal corners of the fixture to structure.
 - c. Each fixture greater than 25 Kg shall be directly supported to structure by approved hangers.
 - d. Pendant light fixtures shall be directly supported from structure with 9-gauge wire (or approved alternative).
- **Air Terminals:**
 1. Air terminals less than 9 Kg shall be positively attached to the suspension system
 2. Air terminals that weigh between 9 Kg and 25 Kg shall be mechanically attached to the suspension system. Two slack wires shall be attached from the housing to structure.
 3. Air terminals in excess of 25kg. shall be directly supported to structure by approved hangers.
- **Sprinkler heads** and other penetrations shall have 10mm clearance on all sides.

CEILING PRODUCTS 30-YEAR LIMITED WARRANTY

WHAT IS COVERED?

USG Middle East warrants that the following ceiling products will be free from defects in materials and workmanship at the time of manufacture:

USG Middle East Donn® Brand and Quadra suspension systems

USG Middle East ceiling panels

USG Middle East Celebretto Specialty Ceiling range

In addition, USG ME provides the following performance warranties for these products:

- USG ME Donn® Suspension Systems are applied with a four-step coating process that outperforms in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an independent laboratory.
- USG ME ceiling panels and tiles with ClimaPlus™ performance shall not show visible sag when installed in a USG ME Donn® Suspension System (“Sag Warranty”).
- USG ME ceiling panels with ClimaPlus™ performance shall be free from the growth of mold and mildew (“Mold and Mildew Warranty”).
- USG Radar™ Ceramic ceiling panels with ClimaPlus™ performance will withstand corrosive chemical fumes (“USG Radar™ Corrosive Chemical Warranty”).

HOW LONG DOES COVERAGE LAST?

The warranty periods vary depending upon whether the USG ME Donn® Suspension System is used with USG ME ceiling panels, or the products are used separately. Below are the periods of coverage, which run from the date of original purchase:

Defects in Materials and Workmanship at Time of Manufacture	Panel or Tile	Suspension System
USG ME Donn® Brand Suspension System and USG ME Soft Fiber or Mineral Fiber panels with ClimaPlus™ performance, <i>when used together</i>	30 years	30 years
USG ME Donn® Brand Suspension System and USG ME Gypsum Ceiling panels or Skynest Wood Wool panels, <i>when used together</i>	1 year	30 years
USG ME Donn® Brand Suspension System and Quadra Safe Ceiling Carrier <i>alone</i>	–	10 years
USG ME panels with <i>ClimaPlus™</i> performance <i>alone</i>	10 years	–
USG ME Celebretto Specialty Ceilings and USG ME Acoustical Drywall Ceiling <i>alone</i>	5 years	–
Rust Warranty for USG ME Donn® Brand Suspension System	–	30 years
Sag Warranty for panels with ClimaPlus™ performance when used in a USG ME Donn® Brand Suspension System	30 years	–
Mold and Mildew Warranty for USG ME ceiling panels with ClimaPlus™ performance	30 years	–
USG Radar™ Corrosive Chemical Warranty	30 years	–

WHO IS COVERED?

This limited warranty covers the original owner of the building at the time of installation and any subsequent owner of the building during the applicable warranty period.

WHAT WILL USG ME DO?

USG ME’s liability under this limited warranty shall be, at USG ME’s election, to replace the nonconforming products under warranty.

Replacement of nonconforming products under warranty shall constitute the sole and total obligation of USG ME. USG ME shall not be responsible for any labor charges or other installation or replacement costs or for incidental or consequential damages of any nature whatsoever.

WHAT ARE THE CONDITIONS OF THIS WARRANTY?

- All products must be installed and maintained in accordance with current USG ME written instructions in effect at the time of installation and with best industry practice, including the CISCA Handbook and ASTM C636, Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels. **Refer to quality assurance mentioned previously under USG Middle East Terms and conditions.**
- The products must always be protected from vibration, direct contact with water (including condensation), exposure to chemical fumes, excessive humidity, and excessive dust or dirt buildup, both before and after installation. Please note that USG ME Radar Ceramic ceiling panels with ClimaPlus™ performance can withstand exposure to chemical fumes.
- The products may not be used in exterior applications unless and to the extent explicitly permitted in USG ME’s written literature at the time of installation.
- The products may not be exposed to temperature or humidity conditions prior to, during, and after installation that are outside the following limitations:

CEILING PRODUCTS 30-YEAR LIMITED WARRANTY

Product	Environmental Limitations
USG ME Radar™ Ceramic	16-40°C up to 100% RH*
ClimaPlus™ Performance Ceilings	16-40°C up to 95% RH
Standard Commercial Ceilings and Celebretto Specialty Ceilings	16-29°C up to 70% RH
USG Donn® Brand suspension system	16-40°C up to 95% RH
USG Donn® Brand AX™, ZXL™ and the USG Drywall Suspension System	16-40°C up to 100% RH

*Please note that the Radar™ Ceramic Acoustical Ceiling Panels with ClimaPlus™ performance can withstand the referenced humidity conditions and exposure to steam so long as the product is installed with either AX™ or AXCE™ suspension systems.

For swimming pools, install only with AX™ or AXCE™ suspension systems. For outdoor soffits, canopies and parking garages, install with AXCE™ suspension system (wind uplift should be considered).

- Ceiling panels must not be used to support any material, including insulation. Where insulation must be used, it should be no heavier than the following:
 - 12.7 kg/m² for USG Sheetrock® and USG ME Skyrock Gypsum Panels Lay-In Gypsum Ceiling Panels
 - 1.3 kg/m² for all other USG ME panels
- Application of insulation should follow USG ME recommendations. Insulation must be applied perpendicular to the suspension cross tees with the suspension system supporting the weight of the insulation. Insulation is also not recommended for use in Firecode® applications unless specified and permitted by Underwriters Laboratories, Inc. Mold or mildew growth on insulation is not covered by this warranty.
- For all ceiling tiles with ClimaPlus™ performance (excluding USG Clean Room™ which is not covered by the Mold and Mildew Warranty), the ceilings must be maintained to avoid excessive dirt or dust buildup that would provide a medium for microbial growth on these panels or tiles. Microbial protection does not extend beyond the treated surface as received from the factory, and does not protect other materials that contact the treated surface such as insulation materials.
- You must make a warranty claim within the time limits and manner described in the here after “How Do I Make A Warranty Claim?”

WHAT IS NOT COVERED?

- Damage or loss due to the failure to follow the terms and conditions of this limited warranty.
- USG Sheetrock® and USG ME Skyrock Gypsum Panels used with the USG ME Drywall Suspension System are not covered.
- Except for the Mold and Mildew Warranty on USG ME ceiling tiles and panels with ClimaPlus™ performance, the growth of mold or bacteria is not covered by this warranty and is not the responsibility of USG ME. USG ME Clean Room and USG Sheetrock® and USG ME Skyrock Gypsum lay-in panels are not covered under the Mold and Mildew Warranty.
- Damage or loss caused by fire, water, accident, or by any form of abuse except normal wear and tear.
- Damage or loss from vibrations or chemical fumes or where moisture comes in contact with the ceiling panel or tile as a result of a leaking roof, a sweating pipe, a leaking radiator, a flood, condensation on windows, other sources of condensation where dew points are reached, humidified air from the HVAC system, or any other similar causes.
- Rusting that occurs from building leaks or condensation.

Other important information about the Sag Warranty for panels and tile with ClimaPlus™

performance when used in a USG ME Donn® Suspension System: Sag resistance is measured under Standard Test Method for Strength Properties of Pre-fabricated Architectural Acoustical Tile or Lay-In Ceiling Panels (ASTM C367-05). The Test Method cautions (Section 17.3) that it “is not designed to establish the expected performance of the ceiling panels under field conditions of use, but only the sag properties for the specific temperature, humidity, exposure time and mounting conditions used in the test.”

Neither this Test Method nor any other laboratory test we are aware of can predict long-term sag resistance. We do know that the higher the relative humidity and temperature, and the longer the time these conditions prevail, the more susceptible the ceiling panels are to sag. Nevertheless, USG ME has offered sag resistant ceiling panels for more than 10 years. This excellent field performance is expected because the formulations of both core and/or backing, depending on the particular panel, inherently impart sag resistance. Avoidance of extreme temperature and humidity conditions and regular cleaning will enhance sag resistance and all other performance attributes of the ceiling panels.

CEILING PRODUCTS 30-YEAR LIMITED WARRANTY

HOW DO I MAKE A WARRANTY CLAIM?

To make a claim under this limited warranty, you must give USG ME written notice of your warranty claim no later than 3 days from the date the claimed problem or defect was discovered or by reasonable inspection should have been discovered. In addition, no claim may be brought more than 3 days after the end of the applicable warranty period regardless of the date of discovery of the alleged problem or defect. Your written warranty claim should include a brief description of the problem, photographs if available, and any sales receipts, invoices, or other information indicating the date of purchase and installation. Please send this information to Factory Of USG Middle East LTD. Co. 7410 (Wasil), Street #23, Cross 76, 2nd Industrial City, Dammam 3426-4201, Kingdom of Saudi Arabia / marketing@usgme.com, info@usgme.com

Except to the extent expressly inconsistent with the terms of this limited warranty, USG ME’s terms and conditions of sale to the direct buyer of the products, including without limitation, any arbitration provision, shall apply to all claims made by the direct buyer under this limited warranty.

WARRANTY INFORMATION

This warranty applies to products manufactured by Factory of USG Middle East that are used in the Kingdom of Saudi Arabia.

WARRANTY INFORMATION FOR PRODUCTS USED OUTSIDE OF THE KINGDOM OF SAUDI ARABIA

To the extent permitted by applicable law, any controversy, claim, or dispute arising out of or in connection with any USG ME product warranty shall be settled with finality under the Rules of Arbitration of the International Chamber of Commerce. The seat of the arbitration and the location of the arbitration shall be Saudi Arabia. All arbitrations shall be conducted in Arabic.
The USG ME product warranty does not apply to USG ME products that are sold to, delivered to, or used by countries, governments, or persons in violation of KSA Trade law.

PROJECTS DETAILS

Project Details:

Project Name:

Address:

Country:

Products:
Ceiling Panels Grids

Date of Installation:

Ceiling System Contractor Details:

Name:

Address:

Date: Signature Title

Factory of USG Middle East

Name:

Date: Signature Title

CEILING PANEL MAINTENANCE GUIDE

Choosing the best ceiling for your project can make all the difference. When maintenance is necessary, certain procedures should be followed to protect the appearance and high performance of acoustical panels.

CLEANING AND MAINTENANCE

CELEBRETTO METAL CEILING SOLUTIONS

PRODUCTS	CLEANING AND MAINTENANCE
Hook-On	<p>Panel can be cleaned easily with microfiber feather dust brush or vacuum to remove the visible dust. Use clean cloth and mild detergent and little water. Remove any obvious dirt before applying liquid cleaner. After cleaning each tile with the solution, the tile should be quickly dried with a dry and clean cloth before moving to the next tile.</p> <p>Do not clean with a damp sponge, and do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.</p>
Corridor System - Hook On	
Island Hook On	
Intersecto	
Linear Track	
Torsion Spring	
Strip Ceiling	
Paraline Metal Baffles	
Crossing Baffles	
Quadra Cell	
Metal Canopies	
Expanded Metal Mesh ceilings	
Snap-In (Hinge Down)	
Geometrix	
Lay-In Metal Ceiling	
Clip-In Metal Ceiling	

ACOUSTICAL DRYWALL CEILING

PRODUCTS	CLEANING AND MAINTENANCE
Ensemble™	<p>General cleaning of dust and loose dirt may be easily achieved using a soft brush or vacuum cleaner. Panels can be cleaned with an art gum eraser or dampened cloth or sponge containing as little water as possible. Panels should never be soaked or immersed in water.</p> <p>Cleaning can also be carried out by specialist contractors using proprietary methods and chemicals. It is strongly recommended that a trial area be cleaned to ensure that there is no detrimental effect on the ceiling panel.</p>
Monosilent	
Skyrock Ecoblock - R6	
Skyrock Ecoblock - R12	
Skyrock Ecoblock - R8-15-20	
Skyrock Ecoblock - Q9	
Skyrock Ecoblock - Q12	

SOFT FIBER PANEL LAMINATED WITH FACTORY APPLIED PAINTED FIBERGLASS SCRIM

PRODUCTS	CLEANING AND MAINTENANCE
Halcyon™ Canopies	<p>Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.</p> <p>Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.</p>
Tranquille	
Halcyon™	
Louna™ Elite	
Louna™ Natural	
Louna™ Hi CAC	

SOFT FIBER PANEL LAMINATED WITH PREPAINTED FIBERGLASS SCRIM

PRODUCTS	CLEANING AND MAINTENANCE
Halcyon™ Black	<p>Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use HEPA vacuum filter to minimize air borne dust during the cleaning process. Care must be taken while vacuuming to avoid excessive pressure. Use a blotting action to minimize potential damage of surface texture on ceiling and wall panels.</p>
Louna™ Baffle	
Louna™ Elegant	
Louna™ Hi CAC Black	

CEILING PANEL MAINTENANCE GUIDE

WOOD WOOL PANEL FINISHED WITH FACTORY APPLIED FINISH PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Skyneest Wood Wool Baffles	Panel can be cleaned easily with a soft brush or vacuum. Do not use liquid cleaning solution as it may harm the wood wool fiber. Care must be taken while vacuuming to avoid excessive pressure. Use a blotting action to minimize potential damage of surface texture on ceiling panels. Use HEPA vacuum filter to minimize airborne dust during the cleaning process.
Skyneest Wood Wool Canopies	
Skyneest Wood Wool Exposed Grid	
Skyneest Wood Wool Ceiling Direct Mounting	

MINERAL FIBER PANEL FINISHED WITH FACTORY-APPLIED WATER-BASED PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Athena	Clean with a soft brush or vacuum gently. Any dusting concerns for Mineral Fiber panels caused by punched perforations can be resolved by using a microfiber feather dust brush. Be certain to clean the mineral fiber panels in one direction only. This will prevent rubbing dust into the surface of the ceiling panel. May be cleaned with a moist cloth or a sponge dampened in water containing mild soap. The cloth or sponge should contain as little soapy water solution as possible. After washing panel face, any moisture remaining should be wiped off with a dry cloth.
Cross Fissured	
Auratone Designer Series	
Favia	
Favia Acoustic	
Olympia™	
Olympia Micro™	
Omni	
Radar™	
Skylite Acoustic	
Taiga	
Taiga Perforated	

MINERAL FIBER PANEL LAMINATED WITH FIBERGLASS MEMBRANE AND FINISHED WITH FACTORY-APPLIED LATEX PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Sonata	Panel can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water or a mild detergent and wipe panel surface.

MINERAL FIBER PANEL LAMINATED WITH EMBOSSED VINYL-FACED MEMBRANE

PRODUCTS	CLEANING AND MAINTENANCE
Sparta	Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals. May be cleaned with a moist cloth or a sponge dampened in water containing mild soap. The cloth or sponge should contain as little soapy water solution as possible. After washing panel face, any moisture remaining should be wiped off with a dry cloth.

CERAMIC BONDED MINERAL FIBER PANEL FINISHED WITH FACTORY-APPLIED WATER-BASED PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Radar™ Ceramic	Radar™ Ceramic panels are less affected by moisture and will withstand repeated washings with mild detergents or germicidal cleaners. Clean with a soft brush or vacuum gently. Any dusting concerns for Ceramic Bonded Mineral Fiber panels caused by punched perforations can be resolved by using a microfiber feather dust brush.

USG MIDDLE EAST CEILING PANEL MAINTENANCE GUIDE

CAST MINERAL FIBER WITH FACTORY APPLIED FINISH PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Glacier™	Clean with a soft brush or vacuum gently. Any dusting concerns for Cast Mineral Fiber panels caused by punched perforations can be resolved by using a microfiber feather dust brush. Care must be taken while vacuuming to avoid excessive pressure. Use a blotting action to minimize potential damage of surface texture on ceiling panels.
Sandrift™	

GYPSUM CEILING PANEL FINISHED WITH FACTORY-APPLIED WATER-BASED PAINT

PRODUCTS	CLEANING AND MAINTENANCE
Painted	Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.
Soundblock - R6	
Soundblock - R8-15-20	
Soundblock - Q3	
Soundblock - Q9	
Soundblock - Q12	

GYPSUM CEILING PANEL LAMINATED WITH EMBOSSED VINYL-FACED MEMBRANE

PRODUCTS	CLEANING AND MAINTENANCE
Shades	Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals. May be cleaned with a moist cloth or a sponge dampened in water containing mild soap. The cloth or sponge should contain as little soapy water solution as possible. After washing panel face, any moisture remaining should be wiped off with a dry cloth.
Soundblock - R6	
Soundblock - R8-15-20	
Soundblock - Q3	
Soundblock - Q9	
Soundblock - Q12	

HEALTHCARE CEILINGS

PRODUCTS	CLEANING AND MAINTENANCE
Clean Room™	Remove any obvious dirt before applying liquid cleaner. Panel can be disinfected by lightly spraying the surface and wiping with a clean white cloth. Acceptable colorless disinfectants include Hydrogen peroxide, Isopropyl alcohol, quaternary ammonium or sodium hypochlorite. Do not mix cleaning solutions and follow the cleaner manufacturer's instructions. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals. Always follow the EPA's and CDC's latest Release Guidance for Cleaning and Disinfecting ceilings panels for healthcare applications.
Skylite Clean	
Taiga Hygiene	
Halcyon™ Healthcare	
Sonata Healthcare	
Louna™ Hygiene	

SUSPENDED CEILING SYSTEM

PRODUCTS	CLEANING AND MAINTENANCE
DONN® Brand Acoustical Suspension System	Remove panel material and perform any necessary cleaning maintenance with non-solvent based commercial cleaner. Immediately remove any corrosive substances or chemicals that would harm painted finishes (i.e. wallpaper adhesives). Clean with a damp sponge, mild detergent and water. Do not use acetate ammonia or highly concentrated chlorine, bromide or other harsh chemicals.
Quadra Safe Ceiling Carrier	

CEILING PANEL MAINTENANCE GUIDE

PAINTING AND RETOUCHING

PANELS:

Ceiling panels may be touched-up by spraying a thinned, non-bridging vinyl-acrylic flat wall paint. However, USG ME cannot be responsible for the finished appearance or performance for the field-painted ceiling's panels. USG ME cannot guarantee that the published surface burning characteristics, fire resistance ratings, acoustical performance, dimensional stability, sag, or light reflectance performance will remain the same after repainting.

All warranties will be voided by field painting. When painting acoustical materials, the painter should be very careful not to close up the perforations or fissures in the material. It is through these openings in the surface that sound waves enter the body of the acoustical material and are absorbed. Care should be taken that these perforations are not clogged. Spray painting will result in a more uniform coating on embossed or irregular surfaces.

Field painting of vinyl-faced products is not recommended.

Please consult the USG ME Technical Department for expert advice and recommendations.

GRIDS AND SUSPENSIONS:

Touch up all minor scratches and spots, as acceptable, or replace damaged sections when touch-up is not permitted. Repainting of suspension member shall be with a high-quality solvent base enamel paint and applied as recommended by paint manufacturer.

DISCLAIMER

- Cleaning conditions and aesthetics may be impacted by additional site conditions. These instructions pertain only to the maintenance of the aesthetics and integrity of USG Middle East ceiling systems. Please consult the manufacturer's instructions and guidance regarding any cleaning product or disinfectant product for use and efficacy.
- It is recommended that only clear cleaners be used, as dyed liquids can permanently discolor the finish of the ceiling tiles.
- Cleaning is only recommended for the finished face of the board.
- The panels should never be soaked in water or other liquids, as this can have an adverse effect on board integrity.
- Use the safety recommendations for gloves and eye protection that are given by the manufacturer of the cleaner and cleaning equipment.



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