

Geminite Fiber Cement Boards: The ultimate building solution for every part of your construction project!



We **GEMINITE** Cement Industries (Under Gemini Group), is the first and only Cellulose Fiber Cement Board Manufacturer based in Abu Dhabi, UAE. We committed to manufacture environmentally friendly Cement Fiber Boards, and related products, using state of the art, plant machinery and equipments.

The unique approach adopted by GEMINITE towards the Construction Industry sees the company focus on quality, technology, superior after-sales service and availability of its products at all times. Innovation is important to maintaining our pre-eminent position in the fiber-cement

industry. Consequently, we make significant investments in research and development with a focus on product quality and production effectiveness to create long-lasting solutions for your commercial and residential needs in the UAE and rest of the world.

With our advanced production process, we have almost zero wastage of energy, Gas, Water and Finished Goods. Our products are best suitable for various applications like, Wall Partitions, False Ceilings, Mezzanine Flooring, Siding and many other applications both in internal and external areas.

Our Presence



MENA, Europe, UK, African Regions, SARRC

What makes Geminite Cement Boards A Smart Choice?

Geminite is a natural product composed of Portland Cement, Virgin cellulose Fiber, Silica Sand, Water and few other additives. Adding Innovative technology in Hatschek process and Autoclave curing, Geminite gets the best strength, Durability, Flexibility and workability.

Using Cellulose Fibre (Non-Asbestos), and other Natural Minerals, the manufacturing process and the product is completely environment friendly and will not harm the nature even after its life in construction.

Depending on the area of application, the product is divided into, Low density, Median Density and High Density with various thicknesses, colours and finishes. From the inception of the technology, due to its Strength, durability and elasticity it started using widely in regions like, Australia, USA, Canada, Europe and growing fast in all Asian countries from the last 3-4 decades.

Geminite is a multipurpose product which will be available in thickness ranging from 3-30 mm, which can be alternative to Gypsum board, Plywood and many other products used in applications like, Drywall Partitions, False Ceilings, Mezzanine Flooring, Wall Lining, Cladding, Wet applications, Facades, etc., both in Interior and Exterior areas.

The Raw Materials We Use



Cement



Silica Sand



Cellulose Fiber (Non Asbestos)



Water

“The World Over Fibre Cement Board is Becoming Increasingly Popular”

Mr. Ludwig Hatschek, first introduced the Fibre Cement Board Manufacturing Method in Australia. Later FCB became one of the main commodity in various parts of Construction and Prefab building industry across the globe.

The challenge now is only to choose the right product to suit your requirements.

Benefits of Geminite Fiber Cement Boards



ASBESTOS
FREE



TERMITE &
INSECT PROOF



MOISTURE
RESISTANCE



EASY TO
WORK



THERMAL
RESISTANT



ECO
FRIENDLY



FIRE
RESISTANCE



IMPACT
RESISTANCE



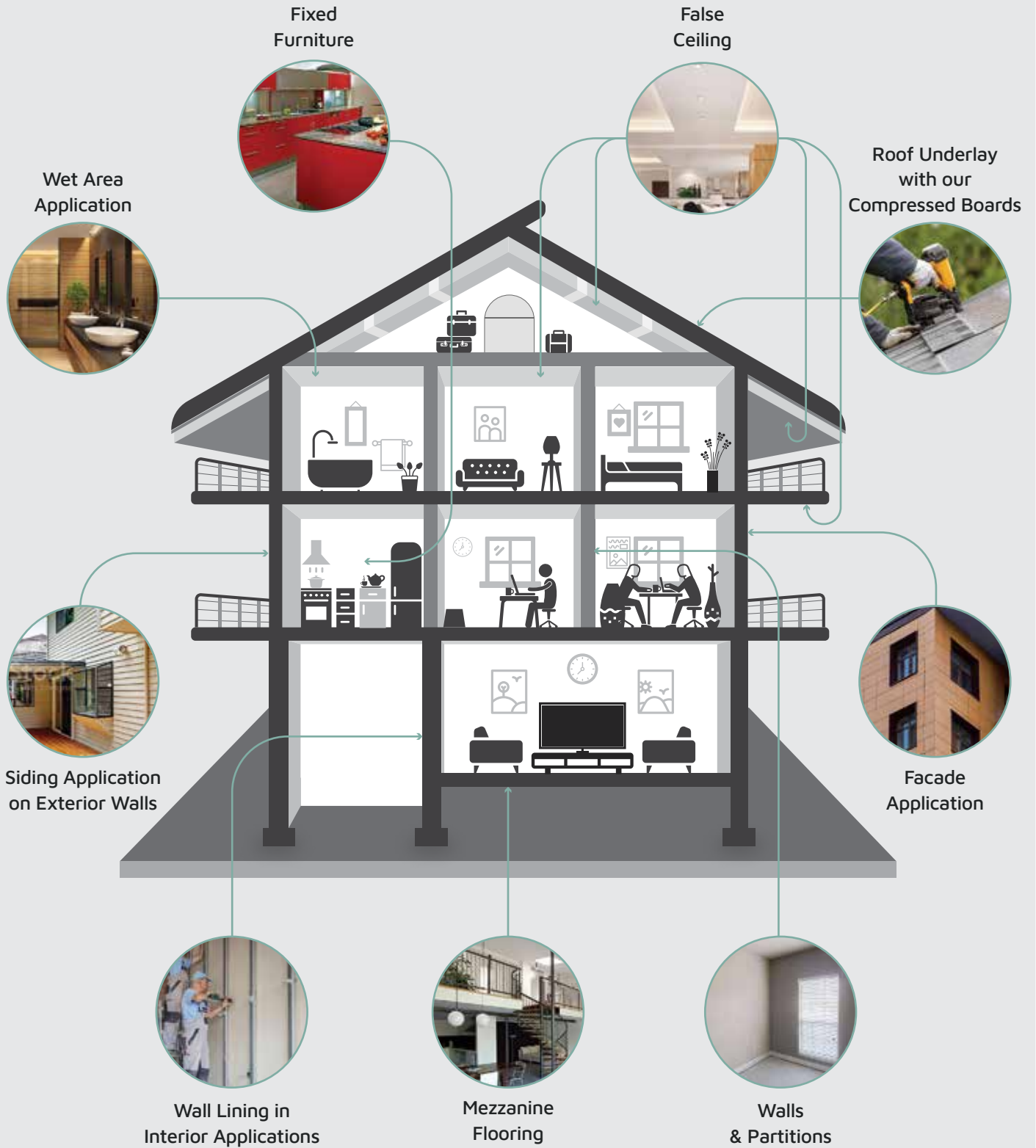
FLEXIBLE



SOUND
RESISTANT

- Fiber cement boards boast a lower construction cost and is speedy to construct.
- The board structure is stable and not subject to deformation like wood and other materials.
- Class 1 fireproof performance makes the board incombustible. In case of fire it will not produce any toxic gas or smoke.
- Geminite is impact resistant and much durable than traditional wall boards.
- The performance of Geminite boards is stable in all weather conditions.
- Geminite cement boards does not contain any raw materials that is harmful to human health and nature.
- Resistant to Termite and Moisture.
- It acts as good sound barrier and our Geminite cement board (9mm) can give around 30 dB of STC.
- Geminite's unique curing process will ensure negligible cracks in the boards.

Possible Applications



We have Wide Range of Fiber Cement Boards

Our state-of-the-art Factory and sophisticated manufacturing process, produces both medium-density, High-density and designer boards suitable for interior and exterior applications.

Medium Density Boards



High Density Boards (Compressed)



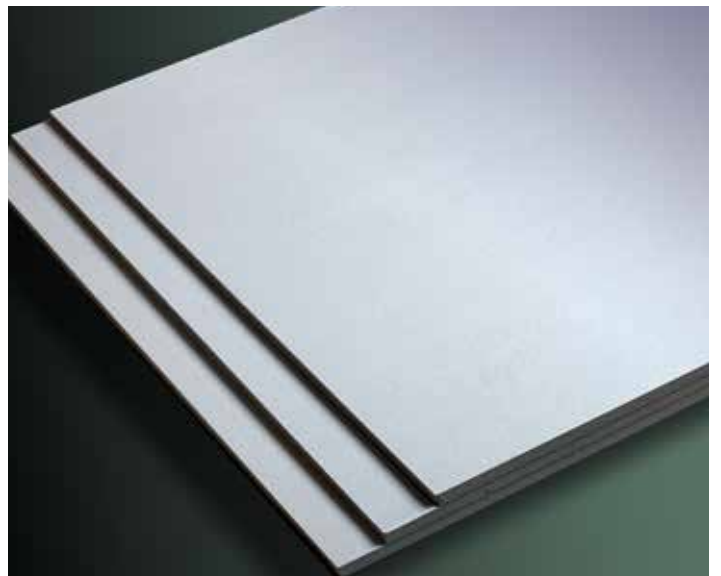
Siding Boards



Pigmented Boards (Coming Soon)



Cement Tiles



We supply 2400 x 1200 mm , 2440 x 1220 mm and custom sizes in 4,6,9,12,18 mm and other thicknesses as per below details:

Thickness (mm)	Length (mm)	Width (mm)	Qty / Bundle	Approx. Weight (kg)
Geminite Middle Density (Interior Usage)				
4	2400	1200	141	15.92
6	2400	1200	94	23.88
9	2400	1200	63	35.82
12	2400	1200	47	47.76
15	2400	1200	38	59.70
18	2400	1200	31	71.64

4	2440	1220	141	16.52
6	2440	1220	94	24.78
9	2440	1220	63	37.17
12	2440	1220	47	49.56
18	2440	1220	31	74.34
20	2440	1220	28	82.60
24	2440	1220	24	99.12

Geminite High Density (Exterior Usage)				
9	2400	1200	54	44.78
12	2400	1200	41	59.70
18	2400	1200	27	89.55

- * • Other Custom Thickness / Sizes will be produced against the order. • Additional edge cutting available for perfect diagonality as per project requirements.
• Additional Finishes like Sanding and painting available against bulk orders.

Application	Medium Density										High Density		
	4	5	6	9	12	16	18	20	22	25	9	12	18
T-Grid False Ceiling	✓	✓	✓										
Concealed False Ceiling			✓	✓	✓								
Wall Partitions				✓	✓								
Wall Lining				✓	✓								
Onsite Concrete Filling				✓	✓						✓	✓	
Siding / Plank / Skirting				✓	✓								
Facade & Exterior Walls					✓							✓	
Roof Underlay					✓	✓						✓	
Shelves / Cupboards						✓	✓						✓
CNC / Grooving							✓	✓					✓
Mezzanine Floor							✓	✓	✓	✓			✓

- * The above our General Recommendation depends on Area of Application (Interior / Exterior / Wet Area, etc).
For further details or queries please contact us.

Geminite Cement Board Technical Specifications

Description	Test Reference	Unit	Requirement	Result
Standard Dimensions				
Tolerance on Length	ASTM C1185-08(2016)	mm	±0.5%	±2
Tolerance on Width	ASTM C1185-08(2016)	mm	±0.5%	±1
Tolerance on Thickness (9mm)	ASTM C1185-08(2016)	mm	±10%	±0.2
Tolerance on Straightness of Edges	ASTM C1185-08(2016)	%	3mm/m	0.1
Tolerance on Squareness of Edges	ASTM C1185-08(2016)	mm/m	4mm/m	2

Physical & Mechanical Properties				
Normal weight (9mm as sample)	EN 12467	kg/m ²		12.15±0.45
Density	ASTM C 1185-08(2016)	kg/m ³		1350±50
Bending Strength/MOR (Wet)	ASTM C 1185-08(2016)	Mpa	>7	8.4
Bending Strength/MOR (Dry)	ASTM C 1185-08(2016)	Mpa	>10	15.2
Abrasion Resistance (100 Cycles)	ASTM C 501-21	mg		773
Water Absorption	ASTM C 1185	%	<35	31.83
Moisture Content	ASTM C 1185-08(2016)	%		12.3
Linear Moisture Movement (Lm)	ASTM C 1185	%		0.05
Water Tightness	ASTM C 1185-03 Sec:11		No water drops should be found on other side of the board	Pass
Water Impermeability	EN 12467:2012 Sec 7.3.3			Pass
Water Permeability	ISO 8336:2009 Sec 7.3.4			Pass
Ph				11.5

Durability Properties				
Durability Classification	ASTM C 1185-08(2016)		Pass	Under 3rd Party Testing
Soak-Dry Performance	ISO 8336			
Freeze/Thaw	ASTM C 1185-08(2016)			
Heat-Rain	ASTM C 1185-08(2016)			
Warm Water	ASTM C 1185-08(2016)			

Thermal Related Properties				
Thermal Conductivity	ISO 13787	w/M.k		0.1342
Linear Thermal Expansion	ISO 16835:2014	mm		0.01

Fire Related Properties				
Partition With 9mm Geminite Both Sides, 72 mm Channel, 70 mm Stud, Glass Wool				Under 3rd Party Testing
Release of Dangerous Substances	EN 12467		No Harmful Substance Should Found	Pass

Sound Related Properties				
Partition With 9mm Geminite Both Sides, 72 mm Channel, 70 mm Stud, Glass Wool				Under 3rd Party Testing



Major Applications

Dry Wall Partitions



Geminite Non-Asbestos Fibre Cement Boards help Fast installation, clean construction and Eco-Friendly solution for both internal and external wall partitions. Its impact resistance and smooth finish is suitable for all kind of painting and decorative finishes like brick wall, made it most preferred by all consultants and Interior Drywall Contractors.

Advantages & Areas Of Usage

- Construction will be up to Four times faster than traditional brick wall construction.
- Construction site will be Clean and dry.
- It is easy to handle and install in drywall partitions.
- Can give very good Sound insulation and for instance, 9mm Geminite boards can insulate around 30dB of STC. With different combinations of board layers, we can achieve up to 60db STC.
- Geminite is a passive Fire rating material. Depending on project's Fire Resistance expectations, we can achieve fire resistance with multiple combinations of Geminite Boards.
- Using thin cement boards compared to Brick wall, we can get extra living area in rooms by reducing wall footprints.
- Drywall partition will have better impact resistance compared to regular drywall partitions.
- Best Suitable for Residential Partitions, Corridors, Hotel Rooms, Commercial Partitions, Fire rating partitions, Acoustic partitions, Theatres, etc.

Roof Underlay



When it comes to your Dream Home's Roofing solutions with shingles, our Geminite Medium or high-density boards will give you long lasting and better solution compared to traditional wood or similar underlay. Geminite's Fire Resistance, Moisture Resistance, Termite resistance and impact resistance will keep your roof safe and long lasting.

Advantages & Areas Of Usage

- Easy to Maintain and Long lasting compared to traditional wood underlay Material.
- Since Geminite is Fire resistant board, your roof will not get affected even in case of Fire.
- Resistant to Termite & Insect attacks.
- It has very good Impact resistant even in case of object falls on it or animal jumps.
- It is Moisture resistant and will prevent formation of mould and fungus.
- Can be used in any kind roofs in Residential & Commercial.

Major Applications

False Ceiling (Interior / Exterior)



Our Geminite False Ceiling solutions are lightweight, easy to install, Moisture resistant and can withstand extreme weather conditions both internal and external areas. Can be used both in suspended T-Grid false ceiling system and also in concealed false ceiling systems. It will be available in wide range of options in size, design and colour as per your innovative or creative thoughts.

Advantages & Areas of Usage

- Geminite cement boards are moisture resistant, and can be used in any weather conditions.
- Can be used in all false ceiling applications including Kitchen, Wash rooms & toilets.
- Suitable for use in both interior and Exterior areas due to its moisture resistant behaviour.
- Due to its strength, you can use Geminite 12mm cement board in false ceilings of high-rise building balconies also.
- Can apply any kind of paints and even laminate with Paper or PVC depends on area of usage.
- Best suitable for Eaves, Soffits and Fascia in exterior applications.

Siding / Facade Application



Geminite Boards are suitable for all weather conditions and building types. With its high durability and termite resistance, can keep the structure aesthetic for long. Our value-added services like, additional Edge cutting for perfect diagonality which makes your installation easy and special surface finishes like sanding, pre painting will satisfy your design expectations.

Advantages & Areas of Usage

- Due to its moisture resistant and durability, best suitable for all Exterior Applications
- Comes in different sizes and Finishes basing on customer needs.
- We can provide extra squaring of boards, upon request, to ensure precise dimensions and facilitate the installation of special project sizes.
- Sanding finish also available basing on client requirements.
- Soon our products will be available in pre painted and unpainted finishes in siding.
- Best Alternative to Timber and other alternative siding boards.
- Easy to cut and install even in case of DIY usage.
- Interlocking Siding boards or click system will be available soon.
- Our high-density boards can resist high wind loads in High-rise buildings as Facade.
- In coming days, Our Pigmented boards will give aesthetic look for the building.

Prefab Housing & Offices



With the introduction of Fiber Cement boards in Prefab Housing industry, it overcome all the previous problems of fire and termite problems using the plywood for both floor and wall solutions. With the wide options on Cement boards, Major Prefab applications like, Mezzanine Flooring, Internal and external walls and False ceilings gave extra life and durability to the Prefab Building.

Advantages & Areas of Usage

- Geminite is best suitable for all Prefab construction both movable and non-movable.
- Light weight and easy to handle during construction and good for transportation.
- Has good impact resistance and it keeps the building long lasting.
- When used as Floor Boards, it will protect from Termite and insect entering the building from below.
- Its Moisture resistant will protect the floor during rainy season.
- With additional water repellent coating, best suitable for flash resistant face required constructions like Water-Villas also.
- It has very good impact resistant and will have good point load bearing capacity.

Wet Areas



When it comes to wet areas backing board application, Geminite is a perfect solution with its characters like Moisture resistant, it protects against mould and fungus formation thus help you creating long lasting wet area applications. Its load bearing nature and firmness will keep the wall sturdy and its impact resistance will keep the wall long lasting.

Advantages & Areas of Usage

- Geminite cement boards are moisture resistant, and well accepted in Wet areas.
- Best product as Wall lining specially in toilets and other wet applications.
- Different Size options available for your project specific Wall Lining applications.
- Best Suitable for Back lining before tile installation in Wet areas.
- Surface can be easily cleaned.
- Even in case of any water leakages through tiles, boards will not swell or bulge.
- If required, special water repellent coating will be applied for better performance.

Major Applications

Mezzanine Flooring



Geminite's 18-25mm boards are ideal for durable mezzanine flooring. They can bear heavy loads and resist moisture, making them suitable for various finishes like vinyl, carpets, and wooden planks. Seek professional guidance for structural considerations and choose the thickness accordingly (16-30mm). Cut-to-size boards are available upon request.

Advantages & Areas of Usage

- Geminite FCB Mezzanine Floors are suitable for Houses, Apartments, New and Existing Offices, Industries, Ware houses, Prefab Units, Labour Camps and Heavy traffic areas, etc.
- Mezzanine Floors with FCB are Easy to install, Light Weight, Easier to clean and maintain, highly flexible and Impact resistance.
- Best for Retail space as Mezzanine Flooring to create extra storage space within same rental space.
- It will save time, Space, clean & installation cost compared to traditional concrete Mezzanine floors.
- With the addition of Geminite Mezzanine floors in Business spaces, it will create extra floor space and increase the property value and rental income for property owners.
- Mezzanine Floors with Steel structures are Fast, easy to install, space saving and can be relocated also.

Onsite Filling Wall Partitions



Geminite's strength, flexibility can withstand the vertical pressure created by concrete and suitable for all kind of concrete filling wall application. The wall will last long with our long durable boards.

Advantages & Areas of Usage

- Geminite is best suitable for both EPS concrete and Lightweight Foam concrete filling applications.
- Due to its elasticity and flexibility, it will not warp/bulge while filling the concrete.
- Since Cement Mortar and Geminite cement boards are made with homogeneous raw materials, they will bond each other very well.
- With the support of framing system in the walls, it can be earthquake resistant and will not collapse like a brick wall.

Certifications

intertek
Total Quality Assurance

CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

Geminite Cement Industries – Sole Proprietorship L.L.C
Main Site: KIZAD – Al-Mu'ayraqh, Industrial Zone KHAS Plot 31, Abu Dhabi, United Arab Emirates
Has been registered by Intertek as conforming to the requirements of **ISO 9001:2015**

The management system is applicable to:
Manufacturing of Cellulose Fiber Cement Board (Non-Asbestos) and Calcium Silicate Boards.

Certificate Number: 0227926
Initial Certification Date: 29 September 2023
Date of Certification Decision: 29 September 2023
Issuing Date: 29 September 2023
Valid Until: 28 September 2026



Colin Molewawan
President, Business Assurance
Intertek Certification Limited, 20A Victoria Park, Woking Road, Surrey GU24 0JF, United Kingdom
Intertek Certification Limited is a 2019 accredited body under conditions of accreditation no. 014.





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ESL
إمارة أبوظبي - أبوظبي
EMIRATES SAFETY LABORATORY

ESL@esl.ae

CERTIFICATE OF CONFORMITY

Issue: 01

Certificate number: ESL-23-11539

Pursuant to provisions of the Certification scheme on Global Conformity Certification of fire and life safety products (IC-GCC, scheme type 5), Emirates Safety Laboratory hereby grants this certificate of conformity to the product described below:

Geminite Fiber Cement Board (4 mm to 24 mm thick)

Placed on the market under the name or trade mark of:

Geminite Cement Industries - Sole Proprietorship L.L.C
Plot No. 31-38, Al Yasmeen - Khas, Abu Dhabi, United Arab Emirates

Manufactured in the following location(s):

Geminite Cement Industries - Sole Proprietorship L.L.C
Plot No. 31-38, Al Yasmeen - Khas, Abu Dhabi, United Arab Emirates

Complies with the requirements of the standard(s) as detailed below:

EN 13501-6:2019 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

The certificate was first issued on **01 August 2023** and remains valid under the condition that the Certificate holder fulfills the requirements of the agreement on certification supervision no. **0321/EN/GCC/2023**.


Tariq Al-Husseini
Certification Manager
07 August 2023 08 August 2024
Issue Date

This Certificate does not constitute an endorsement, approval or certification by the Issuing Body. It is the responsibility of the Certificate holder to ensure that the product continues to conform to the requirements of the standard(s) to which it is certified. The Issuing Body is not responsible for any changes in the product or the standard(s) to which it is certified. The Issuing Body is not responsible for any changes in the product or the standard(s) to which it is certified. The Issuing Body is not responsible for any changes in the product or the standard(s) to which it is certified.


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Proudly Made in UAE



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