





# Product guide 2022

valid from 1<sup>st</sup> January 2022

Facade	
Interior	
Acoustics	
Tools	





# For the love of building. Building with conscience.

What drives us – and you – forwards? We will work together, driven by our love of building, to achieve the sustainable design of living space tailored to human needs. Worldwide.

For us as leading specialists in facades, external wall insulation systems, interiors, floor coatings, and concrete, this means developing responsible innovations and solutions for the future. As your reliable partner, we produce proven, innovative, and durable products and systems for use in creating and shaping building elements and surfaces in exteriors and interiors. So you can always be confident of delivering a perfect result while also remaining practical, efficient, and cost-effective.

## **Sustainability**

Building with Sto means acting sustainably. With our products, you are contributing towards a sustainable future.

## **Functionality**

Building with Sto means being in good hands – with outstanding, reliable products and solutions that meet today's requirements and tomorrow's.

## **Aesthetic appeal**

Building with Sto means realising attractive, personalised solutions. Our solutions are of high quality as well as of high aesthetic appeal.

## **Service**

Building with Sto means being able to rely on perfect service from experts. As your reliable partner, we will provide you with dedicated support from the initial planning phase right through to the final result.



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24 Plinth area






















26 System components

40 Accessories










## StoTherm: an overview

System	insulating layer		Reinforcing layer			Material layer		
	Insulant	Conductivity group	Base coat	Resistance to cracking	Water vapor diffusion	Finishing render	Light reflectance value limit	Additional material options
<b>StoTherm Aims®</b> 	 Mineral wool	From WLG 035	 Organic base coats		Class V2	 StoSignature	> 15	
<b>StoTherm Classic®</b>	 Polystyrene foam	From WLG 032	 Organic base coats		Class V2	 StoSignature	> 15	+ 3 StoDeco, StoEcoshape, StoCleyer
<b>StoTherm Vario</b>	 Polystyrene foam	From WLG 032	 Mineral base coats		Class V1	 StoSignature	> 20	+ 4 StoDeco, StoGlass Mosaic, StoEcoshape, StoCleyer
<b>StoTherm Mineral</b>	 Mineral wool	From WLG 035	 Mineral base coats		Class V1	 StoSignature	> 20	+ 4 StoDeco, StoGlass Mosaic, StoEcoshape, StoCleyer
<b>StoTherm Wood</b>	 Soft wood fibre	From WLG 039	 Mineral base coats		Class V1	 StoSignature	> 20	+ 3 StoDeco, StoEcoshape, StoCleyer

 excellent  
 good





System properties				Area of use	
Reaction to fire	Impact resistance Standard build-up	Sustainability	Cost-effectiveness	Detached house/ multiple dwelling	High-rise building
					
A2, s1-d0	Up to 15 joules	■ ■	■	■	■ ■
Up to B	Up to 15 joules	■	■ ■	■ ■	
Up to B	Up to 3 joules	■	■ ■	■ ■	
A2, s1-d0	Up to 3 joules	■	■	■	■ ■
Up to B	Up to 3 joules	■ ■	■	■ ■	

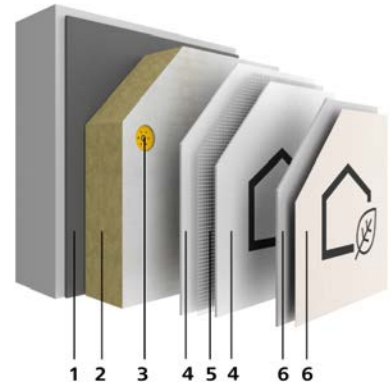


# StoTherm Aims®

## Ecologically enhanced external wall insulation system featuring materials of tomorrow

### System advantages

- over 95 % made of renewable and sufficiently available raw materials
- flammability rating: A2-s1, d0 in accordance with EN 13501-1
- especially suitable for high-rise, public and special-use buildings
- crack and impact-proof
- certified with the “Blue Angel” (Der Blaue Engel) environmental label
- cement-free, free of mineral oil



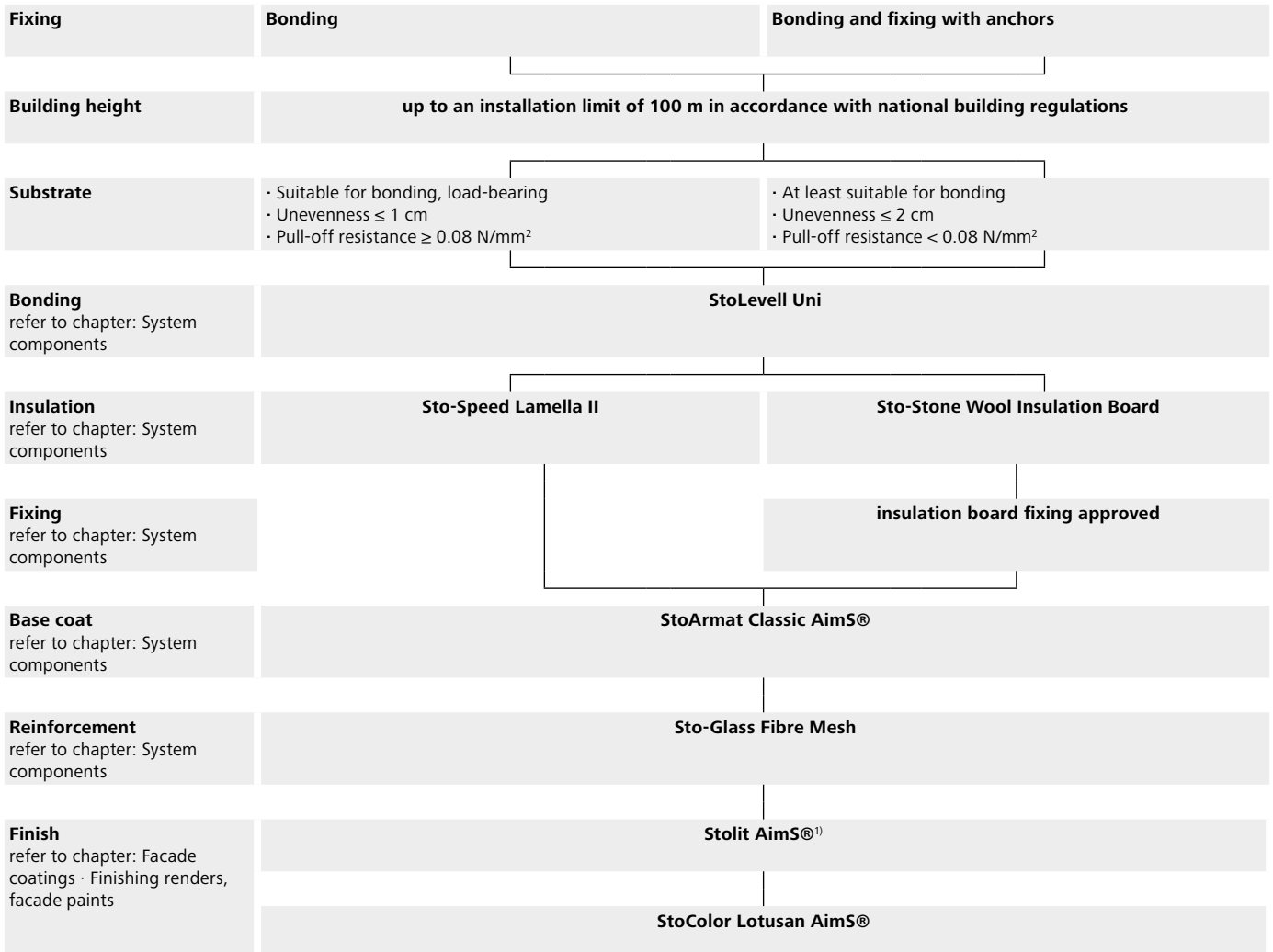
- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Finishing coat

### Overview StoTherm Aims®

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings</li> <li>• especially suitable for high-rise, public and special-use buildings</li> <li>• suitable for passivhaus standard</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding</li> <li>• bonding and fixing with anchors</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• insulation board made of mineral wool, up to 340 mm thick</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• non-combustible, class A2-s1, d0 in accordance with EN 13501-1</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> <li>• ball-impact resistant in accordance with DIN 18032-3</li> </ul>
<b>Sustainability</b>	<ul style="list-style-type: none"> <li>• system components made of renewable resources and/or sufficiently available raw materials</li> <li>• cement-free</li> <li>• biocide-free coating build-up</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• optional Lotus-Effect® Technology</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• tintable in accordance with the StoColor System</li> <li>• light reflectance value &lt; 25 % possible</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• no intermediate coat required</li> <li>• suitable for application by machine</li> <li>• special protection against algae and fungi with a double coat of paint</li> </ul>



## System description of StoTherm AimS®



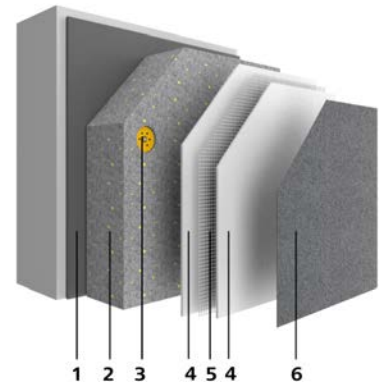
1) For optimum protection from possible algae and fungal attack as well as from general soiling, we recommend an additional paint coat StoColor Lotusan AimS®.

# StoTherm Classic®

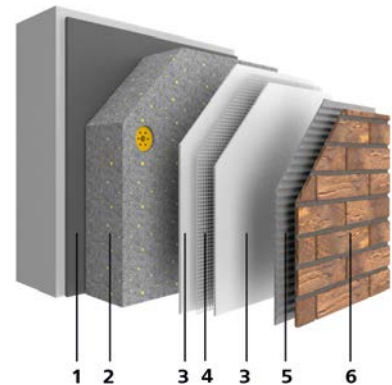
## Robust external wall insulation system with maximum crack and impact resistance

### System advantages

- highly resistant to mechanical stress
- system reliability - more than 100 million m<sup>2</sup> in use worldwide
- resistant to cracking thanks to an organic coating build-up
- highly resistant to microorganisms (algae and fungi)
- intense, dark colour shades possible
- cement-free, ready-to-use system components
- feasible without intermediate coat and paint coat
- clean construction sites through the use of Sto-Turbofix – the adhesive method based on PU foam
- resistant to hail, storms, and hurricanes according to the FIBAG simultaneous test
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>



- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Finishing coat



- 1 Bonding
- 2 Insulation
- 3 Base coat
- 4 Reinforcement
- 5 Bonding
- 6 resin brick slip and prefabricated render elements

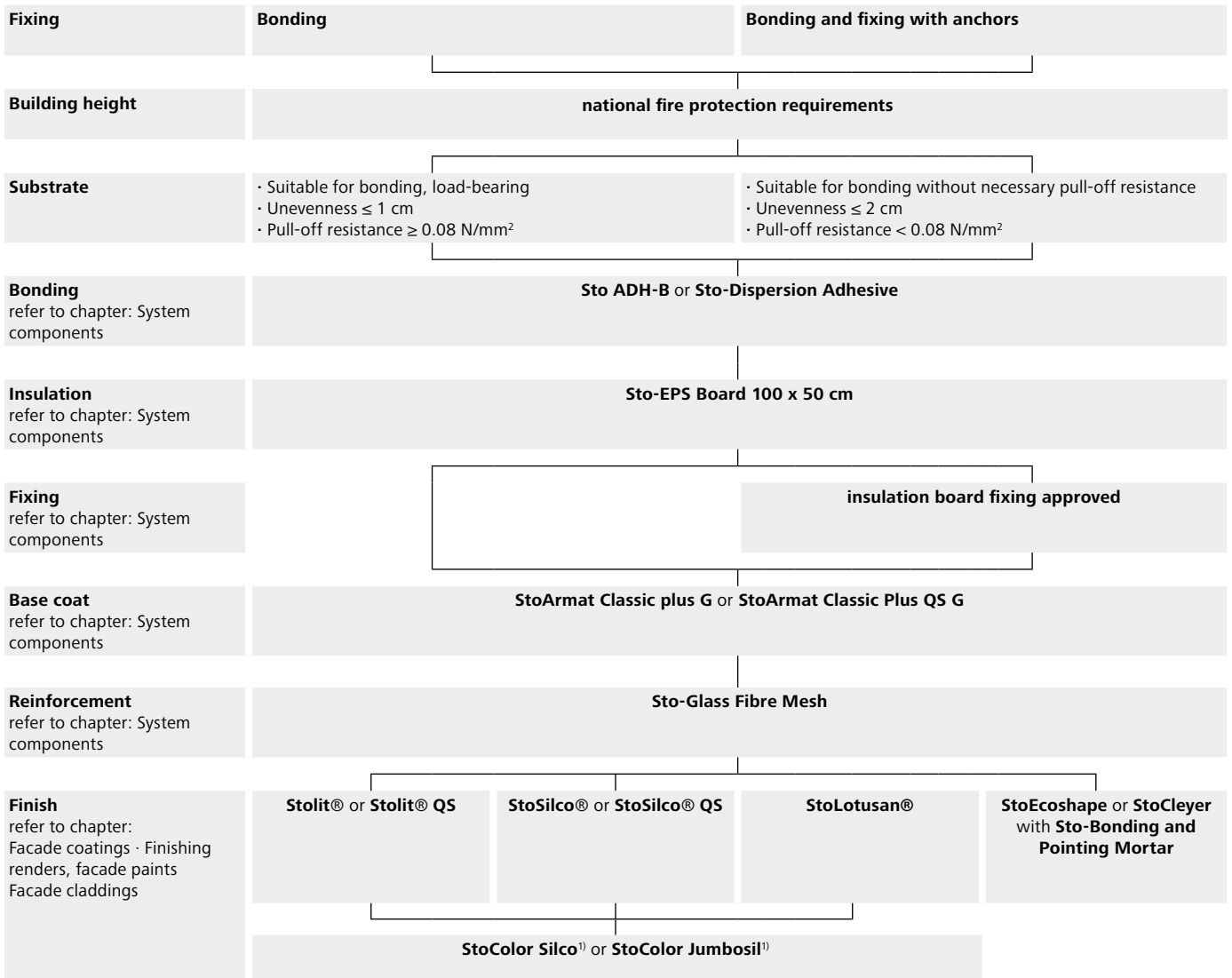
### Overview StoTherm Classic®

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings up to high-rise level</li> <li>• suitable for passivhaus standard</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber construction (solid, frame and panel construction)</li> <li>• steel construction (column and framing)</li> <li>• existing external wall insulation systems (doubling-up of insulation)</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding</li> <li>• bonding and fixing with anchors</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• insulation board made of EPS, up to 400 mm thick</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• limited combustibility</li> <li>• class B, C in accordance with EN 13501-1, depending on system build-up</li> <li>• additional fire protection measures may be required</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress of up to 15 joules in a standard system build-up</li> <li>• resistance of up to 60 joules in a highly impact-resistant build-up</li> <li>• highest hail impact resistance class 5 in the appropriate system build-up</li> <li>• ball-impact resistant in accordance with DIN 18032-3</li> <li>• resistant to hail, storms, and hurricanes according to the FIBAG simultaneous test</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• optional Lotus-Effect® Technology</li> <li>• anti-electro-smog optional</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• natural stone tiles, brick slips, and ceramic tiles possible on agreement</li> <li>• organic and silicone resin renders as well as renders with Lotus-Effect® Technology in stippled render texture, rilled render texture, and free-style textured renders</li> <li>• resin brick slips and 3D facade elements made of Verolith granulate</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• tintable in accordance with the StoColor System</li> <li>• light reflectance value &lt; 25 % possible</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• cement-free, ready-to-use system components</li> <li>• no intermediate coat required</li> <li>• special protection against algae and fungi with a double coat of paint</li> <li>• suitable for application by machine</li> <li>• QS Technology makes it possible to carry out projects during the colder seasons</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.





## System description of StoTherm Classic



1) For optimum protection from possible algae and fungal attacks as well as from general soiling, we recommend an additional coating adapted to the system.

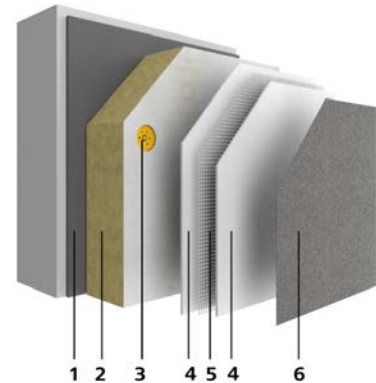


# StoTherm Classic® L/MW

## External wall insulation system with optimised fire protection and maximum crack and impact resistance

### System advantages

- highly resistant to mechanical stress
- resistant to cracking thanks to an organic coating build-up
- class A2-s2, d0 in accordance with EN 13501-1
- highly resistant to microorganisms (algae and fungi)
- cement-free, ready-to-use system components
- feasible without intermediate coat and paint coat
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>



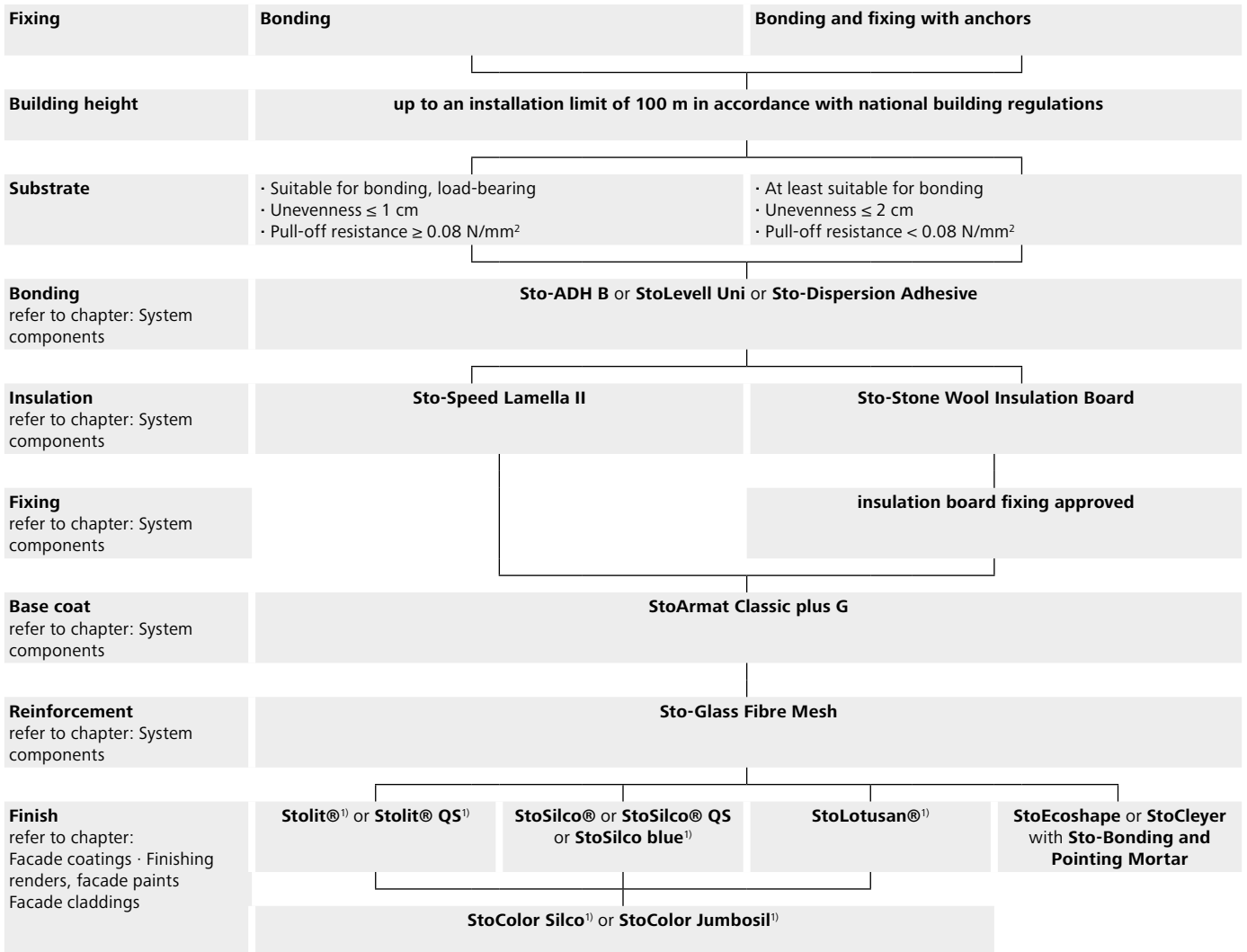
- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Finishing coat

### Overview StoTherm Classic® L/MW

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings</li> <li>• especially suitable for high-rise, public and special-use buildings</li> <li>• suitable for passivhaus standard</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding</li> <li>• bonding and fixing with anchors</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• insulation board made of mineral wool, up to 340 mm thick</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• limited combustibility</li> <li>• class A, B, C in accordance with EN 13501-1, depending on system build-up</li> <li>• if using Sto-Speedlamelle:               <ul style="list-style-type: none"> <li>- fire resistance class: up to REI 120 from the exterior</li> <li>- capsule criterion: K260</li> </ul> </li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress of up to 15 joules in a standard system build-up</li> <li>• resistance of up to 60 joules in a highly impact-resistant build-up</li> <li>• ball-impact resistant in accordance with DIN 18032-3</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• optional Lotus-Effect® Technology</li> <li>• anti-electro-smog optional</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• organic and silicone resin renders as well as renders with Lotus-Effect® Technology in stippled render texture, rilled render texture, and free-style textured renders</li> <li>• resin brick slips and 3D facade elements made of Verolith granulate</li> <li>• natural stone tiles, brick slips, and ceramic tiles possible on agreement</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• tintable in accordance with the StoColor System</li> <li>• light reflectance value &lt; 25 % possible</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• cement-free, ready-to-use system components throughout</li> <li>• no intermediate coat required</li> <li>• suitable for application by machine</li> <li>• QS Technology makes it possible to carry out projects during the colder seasons</li> <li>• special protection against algae and fungi with a double coat of paint</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## System description of StoTherm Classic® L/MW



1) For optimum protection from possible algae and fungal attack as well as from general soiling, we recommend an additional paint coat matched to the system.

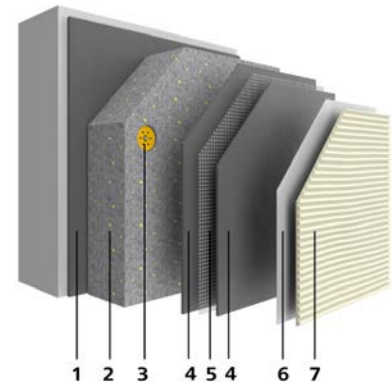


# StoTherm Vario

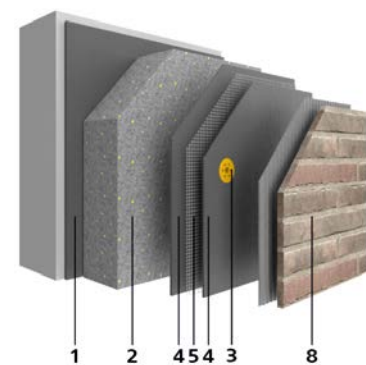
## Cost-optimised external wall insulation system with a large selection of materials

### System advantages

- free choice of finishing renders
- decorative facade finishes with ceramic and natural stone tiles possible
- entirely mineral coating build-up possible
- high resistance to microorganisms (algae and fungi), especially with an additional paint build-up (incl. prime coating)
- clean construction sites through the use of Sto-Turbofix – the adhesive method based on PU foam
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>



- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Intermediate coat
- 7 Finishing coat



- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Intermediate coat
- 7 Finishing coat
- 8 Facade cladding

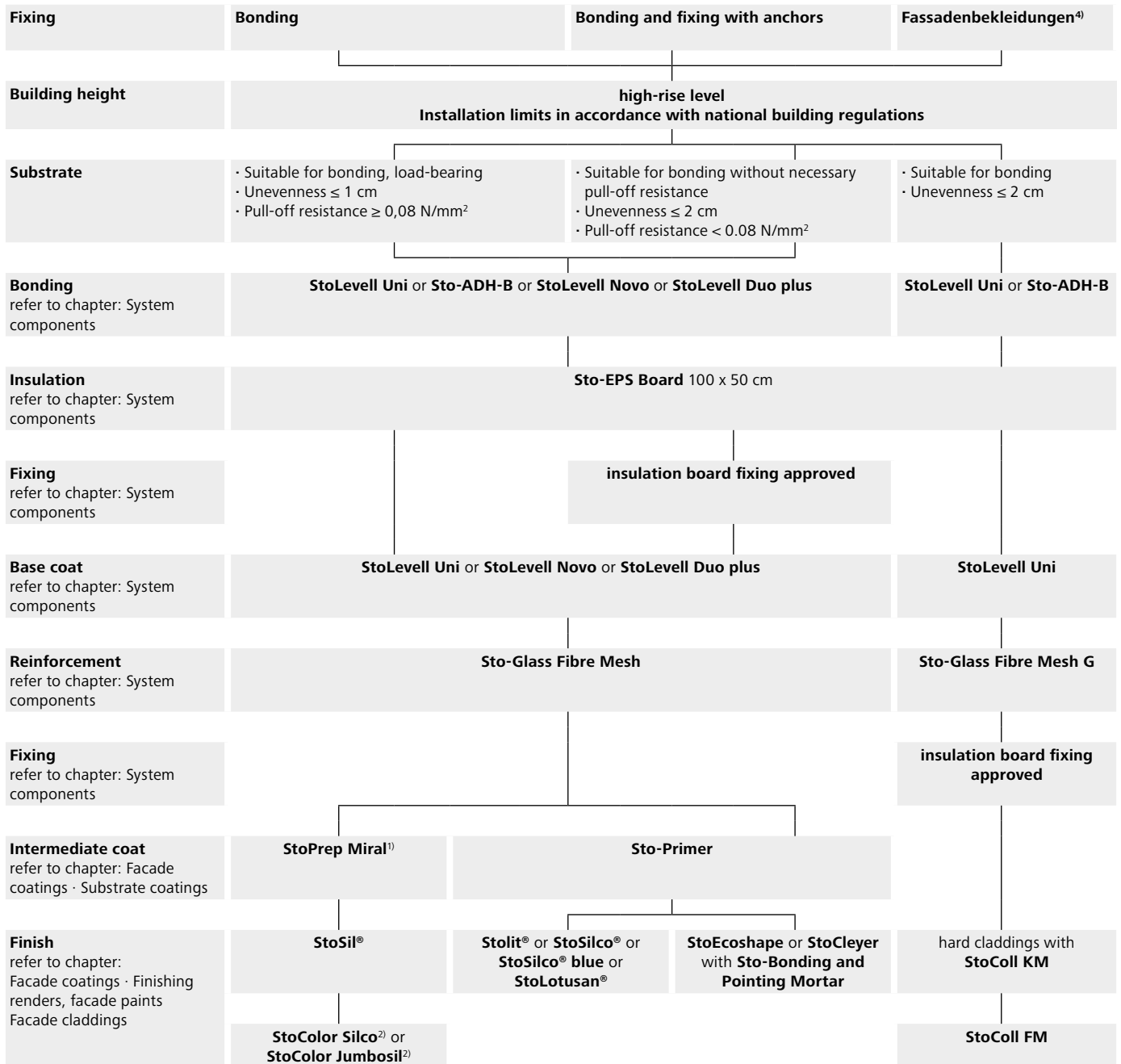
### Overview StoTherm Vario

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings up to high-rise level</li> <li>• suitable for buildings in accordance with the lowest energy standard</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber construction (solid, frame and panel construction)</li> <li>• steel construction (column and framing)</li> <li>• existing external wall insulation systems (doubling-up of insulation)</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding</li> <li>• bonding and fixing with anchors</li> <li>• purely mechanical fixing</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• insulation board made of EPS, up to 400 mm thick</li> <li>• for natural stone and ceramic cladding up to 200 mm</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• limited combustibility</li> <li>• class B, C in accordance with EN 13501-1, depending on system build-up</li> <li>• additional fire protection measures may be required</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• resistant to mechanical stress</li> <li>• hail impact resistance class 3 in the appropriate system build-up</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• optional Lotus-Effect® Technology</li> <li>• anti-electro-smog optional</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• Organic renders, silicone resin renders, renders with Lotus-Effect® Technology, mineral renders, and silicate renders in stippled render texture, rilled render texture, or in free-style textured render</li> <li>• resin brick slips and 3D facade elements made of Verolith granulate</li> <li>• Natural stone tiles, glass mosaic, brick slips, and ceramic tiles</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• limited tintability in accordance with the StoColor System</li> <li>• light reflectance value ≥ 20 %</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• suitable for application by machine</li> <li>• Stop &amp; Go Technology</li> <li>• QS and FT Technology make it possible to carry out projects during the colder seasons</li> <li>• double paint coat necessary depending on the render type and colour shade</li> <li>• no paint coat necessary if using organic finishing renders</li> <li>• special protection against algae and fungi with a double coat of paint</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.





## System description of StoTherm Vario



<sup>1)</sup> intermediate coat if necessary <sup>2)</sup> protective coating if necessary <sup>3)</sup> in accordance with national requirements

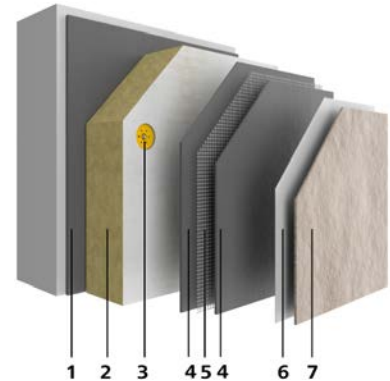


# StoTherm Mineral

## External wall insulation system with optimised fire protection and a large selection of materials

### System advantages

- non-combustible
- free choice of finishing renders
- decorative facade finishes with ceramic and natural stone tiles possible
- entirely mineral coating build-up possible
- high resistance to microorganisms (algae and fungi), especially with an additional paint build-up (incl. prime coating)
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>



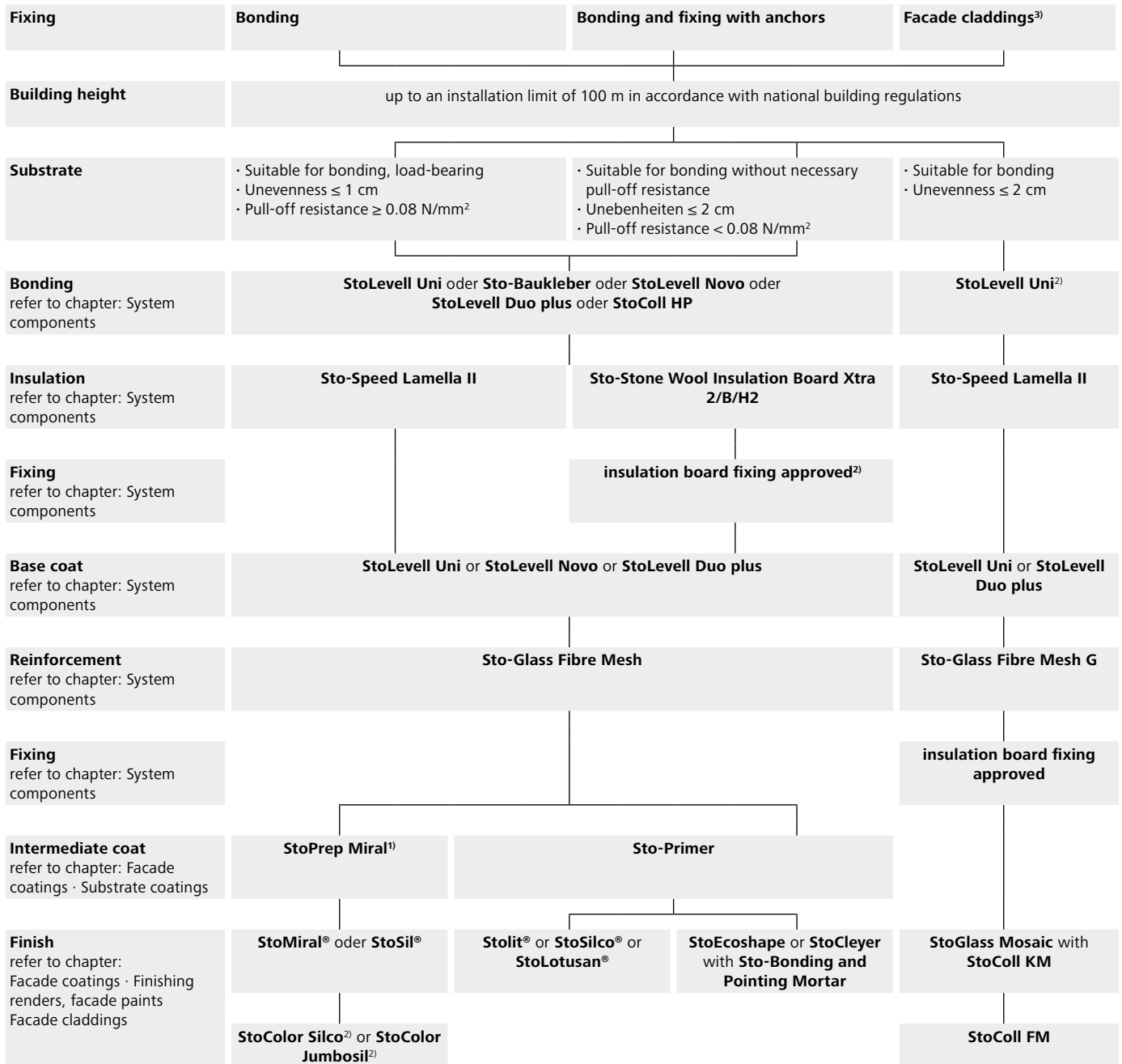
- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Intermediate coat
- 7 Finishing coat

### Overview StoTherm Mineral

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings up to a height of 100 m</li> <li>• especially suitable for high-rise, public and special-use buildings</li> <li>• suitable for buildings in accordance with the lowest energy standard</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber construction (solid, frame and panel construction)</li> <li>• steel construction (column and framing)</li> <li>• existing external wall insulation systems (doubling-up of insulation)</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding</li> <li>• bonding and fixing with anchors</li> <li>• purely mechanical fixing</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• insulation board made of mineral wool, up to 340 mm thick</li> <li>• for natural stone and ceramic cladding up to 200 mm</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• non-combustible, class A2-s1, d0 in accordance with EN 13501-1</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• resistant to mechanical stress</li> <li>• hail impact resistance class 3 in the appropriate system build-up</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• optional Lotus-Effect® Technology</li> <li>• anti-electro-smog optional</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• Organic renders, silicone resin renders, renders with Lotus-Effect® Technology, mineral renders, and silicate renders in stippled render texture, rilled render texture, or in free-style textured render</li> <li>• three-dimensional facade elements made of Verolith granulate</li> <li>• Natural stone tiles, glass mosaic, brick slips, and ceramic tiles</li> <li>• natural stone tiles, bricks, ceramic tiles, and glass mosaic</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• limited tintability in accordance with the StoColor System</li> <li>• light reflectance value ≥ 20 %</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• suitable for application by machine</li> <li>• Stop &amp; Go Technology</li> <li>• QS and FT Technology make it possible to carry out projects during the colder seasons</li> <li>• double paint coat necessary depending on the render type and colour shade</li> <li>• no paint coat necessary if using organic finishing renders</li> <li>• special protection against algae and fungi with a double coat of paint</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## System description of StoTherm Mineral



<sup>1)</sup> intermediate coating if necessary, <sup>2)</sup> anchor fixing the Sto-Stone Wool Insulation Board Type 0/Type 1/Type 2 and fixing the Sto-Speed Lamella II with Sto-Dowel Head, <sup>3)</sup> alternative: Sto-ADH-B or StoLevell Duo Plus, <sup>4)</sup> in accordance with national requirements

# StoTherm Wood

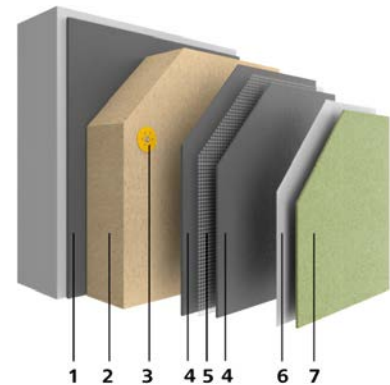
## Climate-neutral external wall insulation system featuring a renewable insulant

### System advantages

- natureplus®-certified
- improves the sound insulation in timber frame construction
- high resistance to microorganisms (algae and fungi), especially with an additional paint build-up (incl. prime coating)
- excellent thermal protection in summer
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>

### Overview StoTherm Wood

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings up to building class 3 (higher building classes also possible with fire protection concept in timber frame construction)</li> <li>• building in accordance with the low-energy standard</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• onto external walls in timber frame construction with or without boarding made of standardised or approved board materials</li> <li>• load-bearing timber frame constructions</li> <li>• solid timber shells</li> <li>• solid timber building elements, board pile elements</li> <li>• masonry, for example, brick, calcium silicate masonry units, cellular concrete, fair-faced masonry</li> <li>• concrete</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• in timber frame construction - fix with staples and anchors</li> <li>• bonding and fixing solid, mineral substrates with anchors</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• insulation board made of soft wood fibre, up to 260 mm thick</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• normal combustibility</li> <li>• class B in accordance with EN 13501-1</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• resistant to mechanical stress</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• optional Lotus-Effect® Technology</li> <li>• anti-electro-smog optional</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• organic and silicone resin renders, render with Lotus-Effect® Technology, as well as mineral renders in stippled, rilled, and free-style textures</li> <li>• resin brick slips</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• limited tintability in accordance with the StoColor System</li> <li>• light reflectance value ≥ 20 %</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• suitable for application by machine</li> <li>• Stop &amp; Go Technology</li> <li>• QS and FT Technology make it possible to carry out projects during the colder seasons</li> <li>• double paint coat necessary depending on the render type and colour shade</li> <li>• no paint coat necessary if using organic finishing renders</li> <li>• special protection against algae and fungi with a double coat of paint</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.

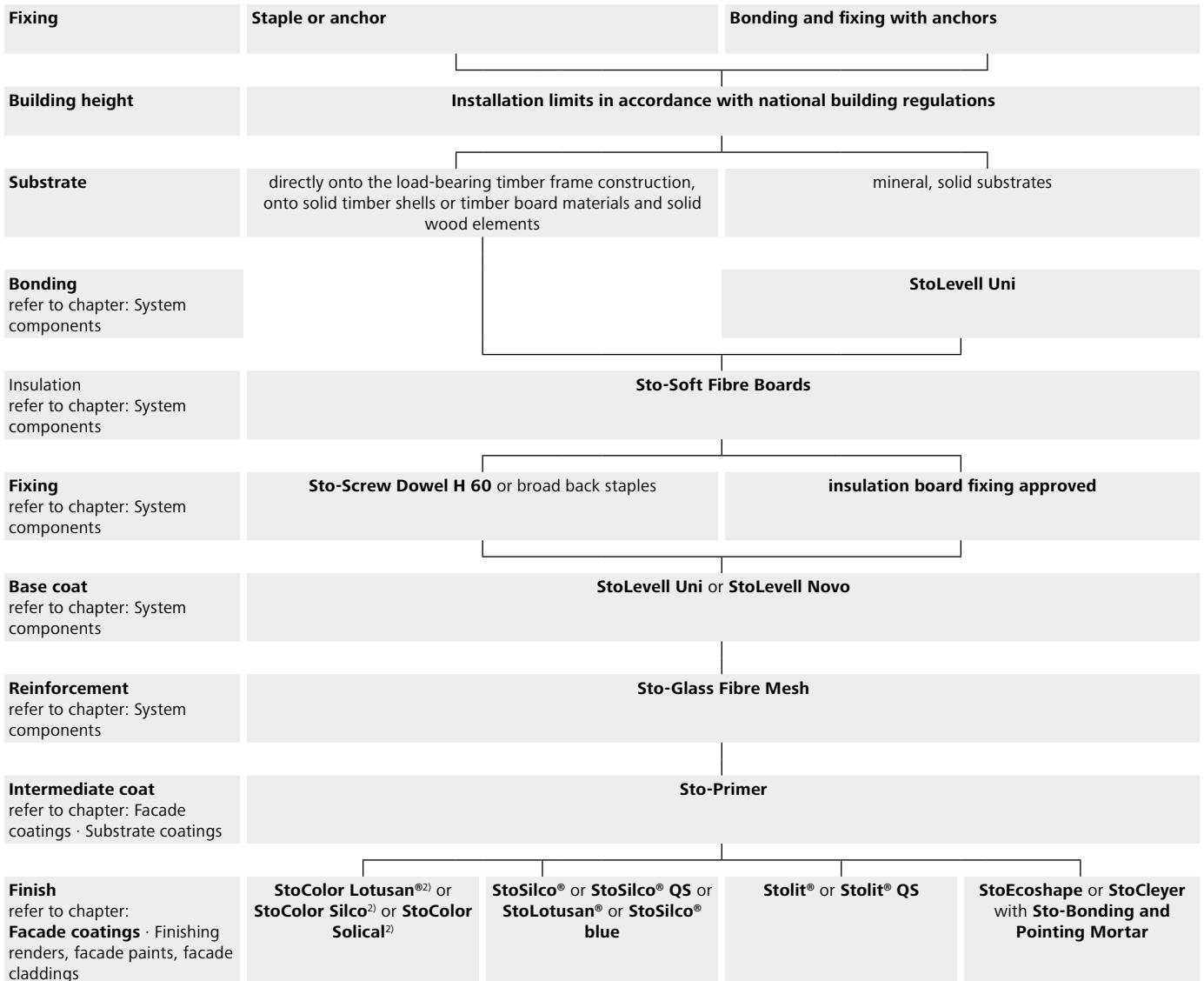


- 1 Bonding
- 2 Insulation
- 3 Fixing
- 4 Base coat
- 5 Reinforcement
- 6 Intermediate coat
- 7 Finishing coat





## System description of StoTherm Wood



<sup>1)</sup> FT: Fast Technology, <sup>2)</sup> For optimum protection against possible algae and/or fungal attack and general soiling, we recommend an additional paint build-up adapted to the system.  
Note: A structural calculation is to be carried out for all wall structures! Number of anchors in accordance with wind suction load.



# Doubling-up of existing EWIS

## Refurbishment of old, damaged external wall insulation systems to restore functionality and achieve insulation in accordance with modern standards.

The system enables an existing but stable EWIS to remain in use by installing a new EWIS over the old system. Damage in the render system and obsolete insulation standards of older EWIS are thus ecologically and economically refurbished.

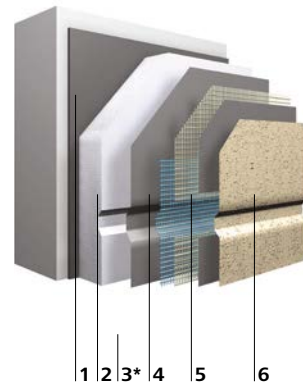
### System description of doubled-up EWIS

	<b>Checking the stability and properties of the old EWIS</b>
<b>Substrate</b>	<b>suitable for bonding with existing coating</b>
<b>Bonding</b>	<b>full-surface and partial-surface bonding possible</b>
<b>Doubled-up EWIS</b>	<b>bonded and anchor-fixed EWIS</b>
<b>Approvals</b>	<b>The relevant European and/or national approvals apply.</b>



## Overview of EWIS with rusticated appearance

<b>Area of application</b>	<ul style="list-style-type: none"> <li>· Variants of the StoTherm Classic and StoTherm Vario systems</li> <li>· For facade designs on load-bearing substrates</li> <li>· For renovation and design of existing and new buildings</li> </ul>
<b>Properties</b>	<ul style="list-style-type: none"> <li>· Insulation boards with central groove</li> </ul>
<b>Appearance</b>	<ul style="list-style-type: none"> <li>· Three groove forms</li> <li>· Scope for colour design by use of appropriate paint (e.g. StoColor Maxicryl)</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>· Fixing by bonding and, if required, with anchors</li> <li>· Reinforcement of the rustication groove with the appropriate Sto-Rustication Mesh</li> </ul>
<b>Delivery</b>	<ul style="list-style-type: none"> <li>· The Sto-Rustication Boards Polystyrene are produced on a project-specific basis. Please note the delivery time.</li> </ul>



- 1 bonding
- 2 insulation
- 3 fixing \*not shown
- 4 base coat
- 5 reinforcement
- 6 finish



## Area subject to a risk of impacts

### Supplementary items to increase the mechanical resistance of Sto external wall insulation systems

#### System advantages

- maximum resistance to mechanical stress
- maximum shock and impact resistance
- very high crack resistance
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>

#### Overview Area subject to a risk of impacts

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• in areas subject to a risk of impact such as plinths, driveways, passages, children's play areas, shopping centres</li> <li>• with all Sto external wall insulation systems</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> </ul>



- 1 Bonding
- 2 Carrier board
- 3 Priming coat
- 4 Base coat
- 5 Reinforcement
- 6 Intermediate coat
- 7 Finishing coat





## System description of area at risk of impact

	<b>StoTherm Classic®</b>
<b>Insulation</b>	<b>EPS/lamella/stone wool</b>
<b>Intermediate coat</b> refer to chapter: Facade coatings - Substrate coatings Additional reinforcement refer to chapter: System components	<b>StoArmat Classic plus G with Sto-Glass Fibre Mesh or Sto-Armour Mesh</b>
<b>Base coat</b> refer to chapter: System components	<b>StoArmat Classic plus G</b>
<b>Reinforcement</b> refer to chapter: System components	<b>Sto-Glass Fibre Mesh</b>
<b>Finish</b> refer to chapter: Facade coatings - Finishing renders	<b>StoLotusan® K or StoSilco® or Stolit®</b>



## Plinth Area

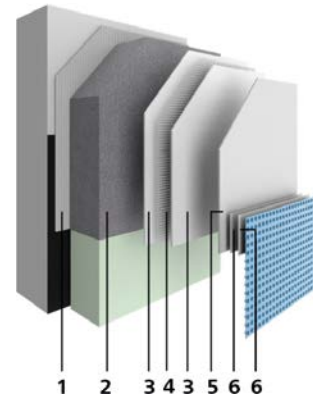
### Supplementary items to increase the resistance to moisture of Sto external wall insulation systems

#### System advantages

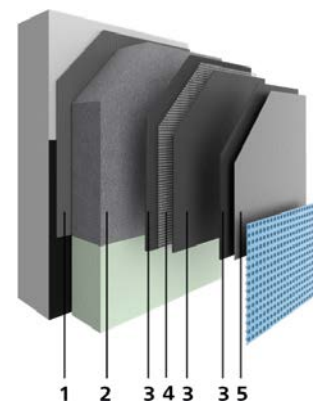
- very good moisture barrier in areas of increased water pollution due to splash water, rain, or meltwater
- very highly weather-resistant
- maximum shock and impact resistance of 15 joules (single-layered) and 60 joules (two-layered) in the corresponding system build-up

#### Overview Plinth Area

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• in the plinth and perimeter area</li> <li>• with all Sto external wall insulation systems</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> </ul>



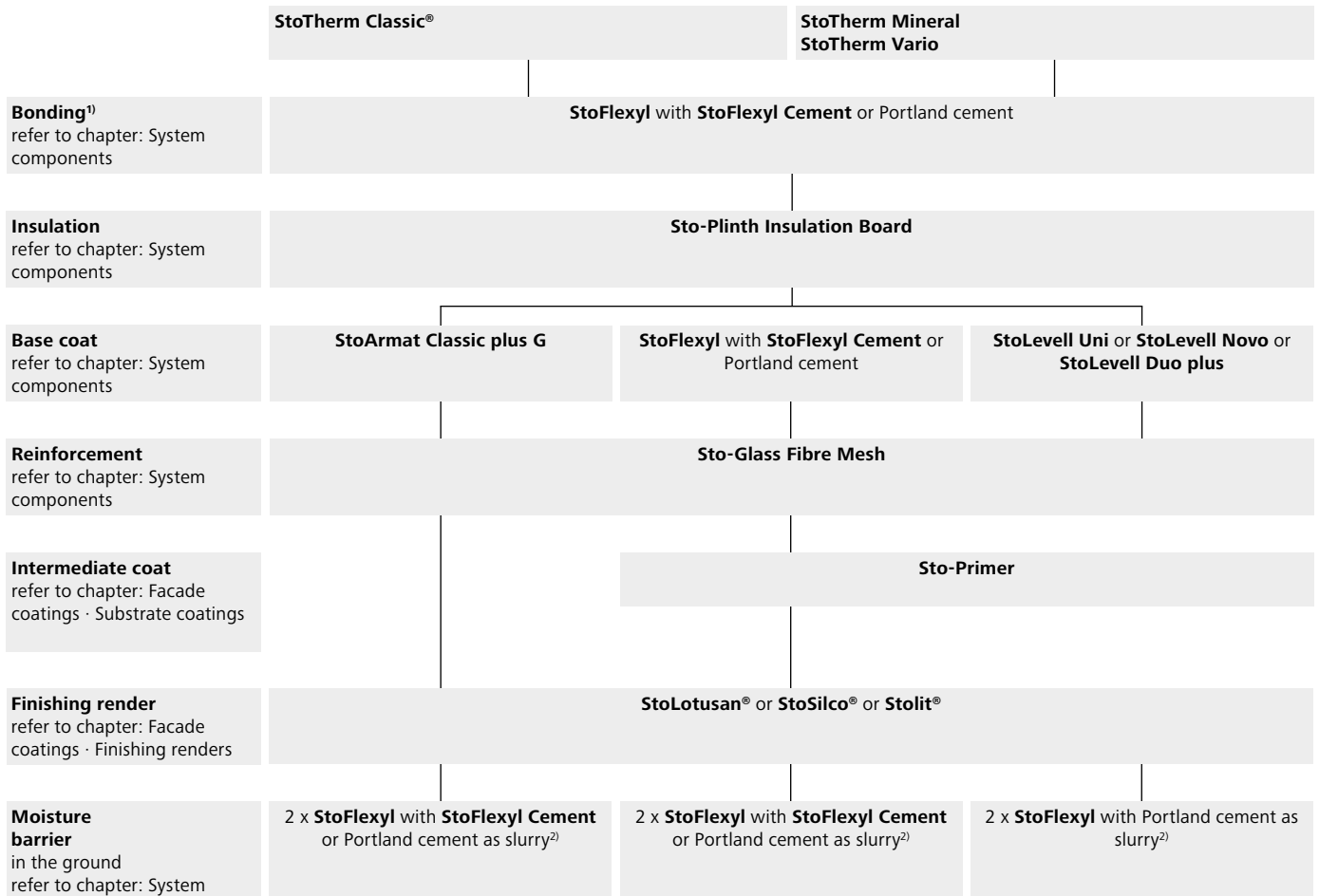
- 1 Bonding
- 2 Insulation
- 3 Base coat
- 4 Reinforcement
- 5 Finishing coat
- 6 Moisture barrier



- 1 Bonding
- 2 Insulation
- 3 Base coat
- 4 Reinforcement
- 5 Finishing coat



## System description of plinth/perimeter area



1) full-surface bonding to the wall (stipple technique or notched trowel 15 mm x 15 mm) – see Technical Data Sheet <sup>2)</sup>at least 5 cm above ground



# System components

## 27 Bonding

## 29 Insulation

29 EPS insulation boards

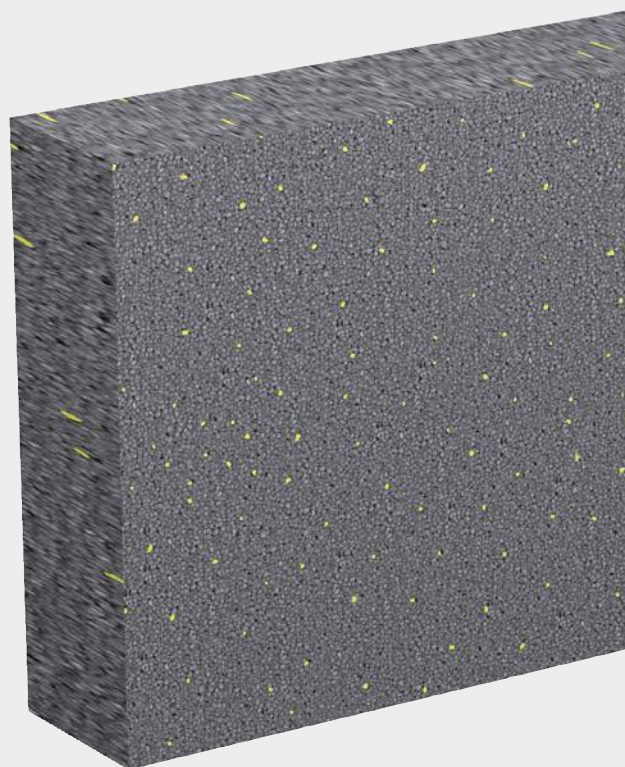
30 Stone wool insulation boards

31 Plinth and perimeter insulation boards

## 32 Fixing

## 36 Base coat

## 38 Reinforcement





## Sto-Dispersion Adhesive

Organic adhesive compound for smooth substrates



### Area of application

exterior, for the full-surface bonding of polystyrene rigid foam boards, for engineered wood, for load-bearing, level, weakly absorbent substrates, e.g. gypsum fibre boards and fibre cement slabs

### Properties

ready-to-use

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information

<b>Approx. consumption</b>	1.00 - 1.50 kg/m <sup>2</sup> bonding of EPS boards 4 x 4 notching
	1.80 - 2.30 kg/m <sup>2</sup> bonding of EPS boards 6 x 6 notching
<b>Colour shade</b>	white
<b>Application</b>	

## StoFlexyl

Organic filler for waterproofing and for protection from moisture



### Area of application

exterior, as a primer, as a bonding mortar, as a filler, as a reinforcing compound, as an undercoat, for protection from moisture

### Properties

provides protection against moisture in the plinth area and in the soil, good adhesion on bitumen substrates, highly versatile in use, sufficiently weather-resistant for use in plinth areas, crack extension: as reinforcement with mesh, approx. 2 %

<b>Approx. consumption</b>	3.90 kg/m <sup>2</sup> waterproofing (layer thickness $\geq$ 3.0 mm)
	2.00 kg/m <sup>2</sup> bonding
	0.50 kg/m <sup>2</sup> 2-fold slurry-applied moisture protection coat (approx. 0.7 mm)
	1.30 kg/m <sup>2</sup> reinforcement
<b>Colour shade</b>	grey/white
<b>Application</b>	 must be mixed with StoFlexyl Cement / cement CEM I or CEM II A/LL or CEM II B/LL parts by weight 1.0 : 1.0, as a moisture protection coat: additionally dilute with approx. 10 % water

## StoFlexyl Cement

Special cement for StoFlexyl



### Area of application

exterior, in combination with StoFlexyl

### Properties

special cement for StoFlexyl type CEM II B-LL 42.5 R

<b>Approx. consumption</b>	3.90 kg/m <sup>2</sup> waterproofing
	2.00 kg/m <sup>2</sup> bonding
	0.50 kg/m <sup>2</sup> primer and moisture protection coat
	1.30 kg/m <sup>2</sup> reinforcement
<b>Appearance</b>	white Portland cement
<b>Colour shade</b>	white
<b>Application</b>	see the Technical Data Sheet for StoFlexyl

## Bonding mortars

### Sto-ADH-B

Mineral bonding mortar



### Area of application

exterior and interior, for bonding insulation boards onto mineral and organic substrates, as adhesive compound for StoTherm Classic®, StoTherm Vario and StoTherm Mineral

### Properties

very high adhesive strength and adhesion to substrate, very good non-sag properties, highly permeable to water vapour

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	4.00 - 6.00 kg/m <sup>2</sup> bonding
	1.33 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	cement-grey
<b>Application</b>	



## StoColl IP

Mineral bonding mortar



### Area of application

exterior and interior, for bonding insulation boards onto mineral and organic substrates, as adhesive compound for StoTherm Vario and StoTherm Mineral

### Properties

high adhesive strength and adhesion to substrate, good resistance to flow, highly permeable to water vapour

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information

<b>Approx. consumption</b>	4.00 - 6.00 kg/m <sup>2</sup> bonding
<b>Colour shade</b>	cement-grey
<b>Application</b>	

## StoLevell Uni

Mineral bonding and reinforcing mortar/base coat



### Area of application

exterior and interior, for reworking old mineral renders and nearly all old organic renders or masonry, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, for thin-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario, StoTherm Mineral and StoTherm Reno

### Properties

very good application properties, very high adhesive strength and adhesion to substrate, very highly permeable to water vapour, very highly water-repellent, very highly weather-resistant

### Notes

natureplus®-certified as part of an insulation system, quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	4.00 - 7.00 kg/m <sup>2</sup> bonding 4.00 - 5.00 kg/m <sup>2</sup> reinforcement 1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	

## StoLevell Novo

Mineral lightweight mortar/base coat for bonding and reinforcing with polystyrene as lightweight aggregate



### Area of application

exterior and interior, for bonding insulation boards onto mineral substrates, for producing medium- and thick-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario and StoTherm Mineral

### Properties

highly economical in consumption, suitable for application in medium to thick layers, highly suitable for machine application, very highly permeable to water vapour, very highly weather-resistant, low weight

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	3.50 - 4.00 kg/m <sup>2</sup> bonding 5.00 - 15.00 kg/m <sup>2</sup> Reinforcement depends on system approval 4.50 - 14.00 kg/m <sup>2</sup> reinforcement for StoTherm Vario and Mineral 0.86 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	 sprayable with commonly available fine plaster and render spray machines



## StoLevel Duo plus

Mineral bonding and reinforcing mortar/base coat



### Area of application

exterior and interior, for reworking old mineral renders or masonry, for bonding insulation boards onto mineral substrates, for thin-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario and StoTherm Mineral

### Properties

highly suitable for machine application, high adhesive strength and adhesion to substrate, highly permeable to water vapour, highly water-repellent, weather-resistant

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	4.50 - 7.50 kg/m <sup>2</sup> bonding
	4.50 - 6.00 kg/m <sup>2</sup> reinforcement
	1.30 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	light grey
<b>Application</b>	

## StoColl KM

Mineral, flexible grout for brick slips, ceramic, natural stone tiles, and glass mosaic



### Area of application

exterior and interior, as a grout (flexible adhesive) for suitable brick slips, ceramic and natural stone tiles, and glass mosaic, for bonding StoPanel Plus, on StoLevel Uni mineral reinforcing mortar, on organic reinforcing mortar with intermediate coat (StoPrep Contact)

### Properties

excellent adhesive bond, resistant to frost and weathering, optimum non-sag properties, meets C1TE requirements in accordance with EN 12004

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> bonding
	1.20 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	grey, white
<b>Application</b>	application to both surfaces (back-buttering method)

## EPS insulation boards

### Sto-Insulation Board Top32

Insulation board made of expanded polystyrene foam in accordance with EN 13163



### Area of application

exterior and interior, as an insulation board in external and internal wall insulation systems, fixing by bonding, or bonding and anchors, in StoTherm Classic® and StoTherm Vario, do not use in the ground

### Properties

declared thermal conductivity  $\lambda_D$ : 0.031 W/(m\*K), fire classification E in accordance with EN 13501-1

### Notes

design thermal conductivity  $\lambda$ : 0.032 W/(m\*K), packaging unit: bundle, amount/bundle of m<sup>2</sup> depends on board thickness

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	100 x 50 cm edges: straight

### Sto-EPS Board PS15SE 040

Insulation board made of expanded polystyrene foam in accordance with EN 13163



### Area of application

exterior, as an insulation board in external wall insulation systems, fixing by bonding, or bonding and anchors

### Properties

declared thermal conductivity  $\lambda_D$ : 0.038 W/(m\*K), fire classification E in accordance with EN 13501-1

### Notes

design thermal conductivity  $\lambda$ : 0.040 W/(m\*K), amount/bundle of m<sup>2</sup> depends on board thickness, packaging unit: bundle

<b>Format</b>	100 x 50 cm edges: straight
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## Stone wool insulation boards

### Sto-Speed Lamella Type II

Insulation board made of mineral wool in accordance with EN 13162



#### Area of application

exterior, as an insulation board in external wall insulation systems, fixing by bonding, or bonding and anchors, not suitable for use in the plinth area and in the soil

#### Properties

declared thermal conductivity  $\lambda_D$ : 0.040 W/(m\*K), fire classification A1 in accordance with EN 13501-1, melting point: > +1000 °C, high pull-off resistance ( $\geq 80$  kN/m<sup>2</sup>) due to vertical fibres, pre-coated on both sides (if one side of the lamella has strips without coating, use this side as the adhesive side)

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	120 x 20 cm

### Sto-Stone Wool Insulation Board Type 0/A

Insulation board made of mineral wool in accordance with EN 13162



#### Area of application

exterior, as an insulation board in external wall insulation systems, fixing with anchors, not suitable for use in the plinth area and in the soil

#### Properties

declared thermal conductivity  $\lambda_D$ : 0.034 W/(m\*K), fire classification A1 in accordance with EN 13501-1, melting point: > +1000 °C, pull-off resistance:  $\geq 5$  kN/m<sup>2</sup>, mineral, diffusion-open, uncoated

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	80 x 62.5 cm

### Sto-Stone Wool Insulation Board 2/A/D1 W3

Insulation board made of mineral wool in accordance with EN 13162



#### Area of application

exterior, as an insulation board in external wall insulation systems, fixing with anchors, not suitable for use in the plinth area and in the soil

#### Properties

declared thermal conductivity  $\lambda_D$ : 0.034 W/(m\*K), fire classification A1 in accordance with EN 13501-1, melting point: > +1000 °C, pull-off resistance:  $\geq 5$  kN/m<sup>2</sup>, mineral, diffusion-open, pre-coated on both sides (observe the marking, marked side = render side)

#### Notes

design thermal conductivity [ $\lambda_{DaR}$ ]: 0.034 W/(m\*K)

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	80 x 62.5 cm
<b>Application</b>	efficient application due to pre-coating

### Sto-Stone Wool Insulation Board Xtra 2/B/H4

Insulation board made of mineral wool in accordance with EN 13162



#### Area of application

exterior, as an insulation board in external wall insulation systems, fixing with anchors, not suitable for use in the plinth area and in the soil

#### Properties

reduced weight for easy handling on the construction site, homogeneous board structure ensures adhesive and reinforcement side are not mixed up, pre-coating on both sides saves a time-consuming scratch coat, declared thermal conductivity  $\lambda_D$ : 0.034 W/(m\*K), fire classification A1 in accordance with EN 13501-1, melting point: > +1000 °C, adhesive strength  $\geq 10$  kN/m<sup>2</sup>, mineral, diffusion-open, no glowing combustion in accordance with EN 16733

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	120 x 40 cm edges: straight for board thicknesses, see product guide





### Sto-Stone Wool Insulation Board Xtra 2/B/H2

Insulation board made of mineral wool in accordance with EN 13162



**Area of application**

exterior, as an insulation board in external wall insulation systems, fixing with anchors, not suitable for use in the plinth area and in the soil

**Properties**

declared thermal conductivity  $\lambda_D$ : 0.034 W/(m\*K), fire classification A1 in accordance with EN 13501-1, melting point: > +1000 °C, pull-off resistance:  $\geq 7.5$  kN/m<sup>2</sup>, mineral, diffusion-open, pre-coated on both sides (product side with coating free strips = adhesive side)

**Notes**

application type: WAP-zh (rendered external insulation of walls - high tensile strength) in accordance with DIN 4108-10, in accordance with the guidelines of the Fachverband Wärmedämmverbundsystem e.V. - qualities beyond standard requirements

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	edges: straight 120 x 40 cm
<b>Application</b>	efficient application due to pre-coating on both sides of the board

### Sto-Stone Wool Insulation Board BR Xtra 2/C

Insulation board made of mineral wool in accordance with EN 13162



**Area of application**

exterior, as a fire strip in external wall insulation systems, fixing with anchors

**Properties**

declared thermal conductivity  $\lambda_D$ : 0.034 W/(m\*K), fire classification A1 in accordance with EN 13501-1, pull-off resistance:  $\geq 5$  kN/m<sup>2</sup>, mineral, diffusion-open, pre-coated on both sides

**Notes**

design thermal conductivity  $\lambda$ : 0.035 W/(m\*K), packaging unit: bundle, amount/bundle of m<sup>2</sup> depends on board thickness

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	120 x 20 cm
<b>Application</b>	efficient application due to pre-coating

## Plinth and perimeter insulation boards

### Sto-Plinth Insulation Board PS30SE

Insulation board made of expanded polystyrene foam in accordance with EN 13163



**Area of application**

exterior, as an insulation board in splash zone (plinth) and soil (perimeter), fixing by bonding, not permitted in the capillary fringe of the ground water (generally approx. 30 cm above the WT) and in the area of pressing water

**Properties**

declared thermal conductivity  $\lambda_D$ : 0.034 W/(m\*K), fire classification E in accordance with EN 13501-1

**Notes**

if using it as a perimeter board, observe the terms specified in the manufacturer's approval, design thermal conductivity  $\lambda$ : 0.035 W/(m\*K)

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	100 x 50 cm edges: straight



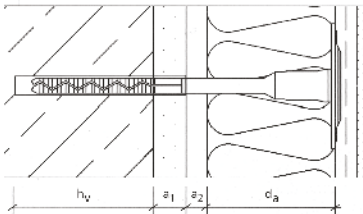
## Overview of anchors

Dowel	European Technical Approval	Use category/substrates
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### Insulation board fixing

<b>Sto-Thermo Dowel II UEZ 8/60</b>	04/0023	A - Concrete B - Solid masonry C - Perforated masonry D - Lightweight concrete E - Cellular concrete
<b>Sto-Screw-In Anchor K-RACE 8/60</b>	16/0116	A - Concrete B - Solid masonry C - Perforated masonry D - Lightweight concrete E - Cellular concrete
<b>Sto-Scotwist</b>	10/0208	A - Concrete B - Solid masonry C - Perforated masonry D - Lightweight concrete E - Cellular concrete
<b>Sto-Hammer-In Anchor T-Save UEZ-K 8/60</b>	14/0400	A - Concrete B - Solid masonry C - Perforated masonry
<b>Sto-Screw-In Anchor H 60</b>	–	Wood Board materials Sheet meta
<b>Sto-Hammer-In Anchor UEZ-SK-08 8/60</b>	09/0394	A - Concrete B - Solid masonry C - Perforated masonry D - Lightweight concrete

### Overview of fixing options: calculation of required anchor length



minimum anchorage depth  $l_{\text{hef}}$   
+ existing render coat  $a_1$   
+ adhesive mortar layer  $a_2$   
+ insulant thickness  $d_a^{**}$

= required anchor length\*

\* round up to next anchor length if necessary

\*\* reduction when using Sto-Thermo Caps (but not with Sto-Thermo Dowel II UEZ 8/60)

Only approved anchors in accordance with the EWI system approval – selection in accordance with wall material, substrate and insulant thickness. The available anchor lengths are to be observed in each case.



## Sto-Thermo Anchor II UEZ 8/60

Insulation board fixing with European Technical Approval for recessed or surface-flush installation



### Area of application

exterior, for concrete, solid and perforated building materials, no-fines lightweight concrete, cellular concrete - use category A, B, C, D, E

### Properties

plate and anchor sleeve made of plastic, anchor screw made of galvanised steel, recessed installation in the insulant to prevent anchor pattern staining, chi value 0.002 W/K or 0.001 W/K depending on the type of installation, universal expanding zone for a very broad spectrum of substrates, high characteristic loads, automatic setting control for recessed installation, countersunk installation is possible without milling dust

### Notes

installation tool: see Tools (Sto-Thermo Anchor II MT), European Technical Approval ETA-04/0023

<b>Format</b>	ø 8 mm plate diameter: 60 mm
<b>Colour shade</b>	yellow
<b>Application</b>	<p>surface-flush installation: concrete, brickwork, no-fines, lightweight concrete (use category A, B, C, D): drill-hole depth, ≥ 35 mm, anchorage depth ≥ 25 mm cellular concrete (use, category E) drill-hole depth ≥ 75 mm, anchorage depth ≥ 65, mm</p> <p>combination with Sto-Anchor Plate Enlarger possible,, seal the screw opening with a Sto-Thermo Anchor VE</p> <p>recessed, installation: concrete, brickwork, no-fines lightweight concrete, (use category A, B, C, D): drill-hole depth ≥ 50 mm, anchorage, depth ≥ 25 mm cellular concrete (use category, E): drill-hole depth ≥ 90 mm, anchorage depth ≥ 65, mm</p> <p>cover the anchor plate with the corresponding Sto-Thermo, Anchor Cap</p>

## Sto-Thermo Anchor Cap

Cap for countersunk installation



### Area of application

exterior, for covering the Sto-Thermo Anchor II UEZ 8/60, Sto-Screw-In Anchor H 60, Sto-Screw-In Anchor H 60 E

### Properties

for a homogenous insulant surface, for preventing anchor-related point thermal bridge staining

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	ø 66 mm thickness: 15 mm
<b>Appearance</b>	available in various insulant qualities EPS white EPS grey mineral wool phenolic resin PIR

## Sto-Screw-In Anchor K-RACE 8/60

Approved insulation board fixing with a synthetic screw for surface-flush installation



### Area of application

exterior, for surface-flush fixing of insulation boards in external wall insulation systems, for concrete, solid building materials, perforated building materials, no-fines lightweight concrete, cellular concrete, use categories: A, B, C D, E

### Properties

fast installation, convenient working due to low torque when screwing in, free from thermal bridges, chi value: 0.000 W/K, optionally available installation tool enables an optimum setting appearance

### Notes

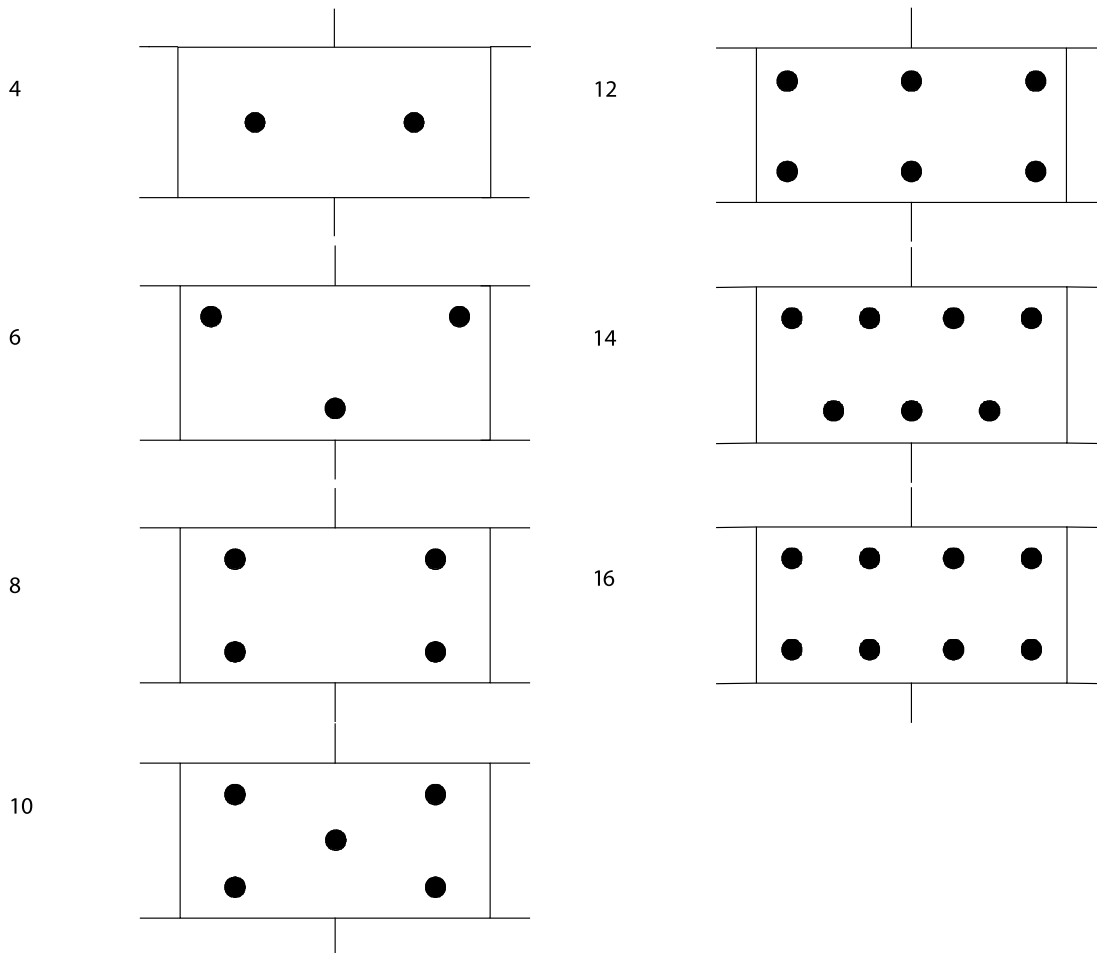
installation tool: see Tools (Sto-Screw-In Anchor K-RACE MT), European Technical Approval ETA 16/0116

<b>Format</b>	diameter of the anchor shaft: 8 mm plate diameter: 60 mm
<b>Colour shade</b>	anchor plate: red, screw: black, sleeve: black
<b>Application</b>	<p>concrete, masonry, no-fines lightweight concrete, (use category A, B, C,, D): drill-hole depth ≥ 40 mm, nominal anchorage depth ≥ 30, mm, effective anchorage depth ≥ 25 mm (in the base in each case), cellular concrete (use category E): drill hole depth ≥ 60 mm,, nominal anchorage depth ≥ 50 mm, effective anchorage depth ≥ 45 mm, (in the base in each case), can be combined with the Sto-Anchor Plate Enlarger H</p>



## Overview of fixing options: anchor patterns for Sto-Ecotwist in EPS

Anchors/m<sup>2</sup> for board size 100 x 50 cm or 120 x 40 cm  
Edge distances EPS 032/035: a ≥ 100 mm





## Sto-Ecotwist

Insulation board fixing with European Technical Approval for recessed installation



### Area of application

exterior, for concrete, solid and perforated building materials, no-fines lightweight concrete, cellular concrete - use category A, B, C, D, E in accordance with EAD 330196-01-0604, for use in external wall insulation systems, for fixing polystyrene rigid foam boards

### Properties

plate and anchor sleeve made of plastic, anchor screw made of galvanised steel, countersunk installation in the insulant, chi value 0.002 W/K, or 0.001 W/K, or 0,000 W/K depending on the type of installation, only one anchor for insulant thicknesses of 100-400 mm, clean cut through the spiral plate tapered downwards

### Notes

European Technical Approval ETA-12/0208, installation tool: see Tools (Sto-Ecotwist MT)

<b>Format</b>	ø 8 mm coil diameter: 66 mm total length: 162 mm (Sto-Ecotwist 0-10), 202 mm (Sto-Ecotwist 10-30) or 232 mm (Sto-Ecotwist 30-60)
<b>Colour shade</b>	spiral plate: yellow, anchor sleeve: grey
<b>Application</b>	anchorage depth in the load-bearing substrate for all anchor types: ≥35 mm, close the screw opening with Sto-Ecotwist VE or PU foam

## Sto-Ecotwist VE

Closing element for Sto-Ecotwist



### Properties

made of expanded polystyrene foam, made of mineral wool

<b>Format</b>	ø 15 mm length: 20 mm
<b>Colour shade</b>	grey

## Sto-Hammer-In Anchor T-Save UEZ-K 8/60

Insulation board fixing with European Technical Approval



### Area of application

exterior, for concrete, solid building materials, perforated building materials, no-fines lightweight concrete, cellular concrete, use categories: A, B, C D, E

### Properties

optimised setting action for easy driving-in and good surface quality, pre-fitted nails for fast installation, the fibre-reinforced composite material minimises the risk of breaking nails, free from thermal bridges, chi value: 0.000 W/K

### Notes

European Technical Approval ETA-14/0400

<b>Format</b>	diameter of the anchor shaft: 8 mm plate diameter: 60 mm
<b>Colour shade</b>	anchor plate: white, anchor sleeve: black
<b>Application</b>	drill-hole depth: ≥ 40 mm, nominal anchorage depth: ≥ 30 mm, (in the load-bearing substrate), effective anchorage depth: ≥ 25 mm

## Sto-Screw-In Anchor S1 short 8/60

Insulation board fixing with plastic screw for thin insulants



### Area of application

exterior, for concrete, solid building materials, perforated building materials, no-fines lightweight concrete, cellular concrete, use categories: A, B, C D, E, for surface-flush installation of insulation boards with 20-60 mm thickness

### Properties

convenient working due to low torque when screwing in

### Notes

installation tool: see under tools (Sto-Screw-In Anchor S1 K-01 MT)

<b>Format</b>	thread diameter of screw: 8 mm plate diameter: 60 mm length, dimensions in mm: 60, 80, 100
<b>Colour shade</b>	anchor plate: grey, screw: black, sleeve: black

## Sto-Screw-In Anchor H 60

Insulation fixing



### Area of application

exterior, for timber, board materials, for sheet metals up to a thickness of 0.75 mm, for surface-flush fixing of insulation boards in external wall insulation systems, for recessed fixing of insulation boards in external wall insulation systems

### Properties

recessed installation in EPS to prevent anchor pattern staining, recessed installation without milling dust

### Notes

accessories: see tools and machines – system tool – EWIS, special lengths are available on request

<b>Format</b>	plate diameter: 60 mm thread diameter of screw: 6 mm
<b>Colour shade</b>	white
<b>Application</b>	recommended anchorage depth: > 25 mm, surface-flush installation using long T25 bit and closing the screw opening with closing element provided, recessed installation in EPS with Sto-Thermo Anchor II MT and covering the anchor plate with Sto-Thermo Anchor Cap



## Sto-Thermo Cap

Anchor plate cover



### Area of application

for covering the anchor plates of countersunk Sto-Screw-In/ Hammer-In/Self-Tapping Anchors

### Notes

for accessories see System tools - EWIS

<b>Format</b>	ø 64 mm - polystyrene, stone wool thickness: 25 mm
<b>Application</b>	only in combination with Sto-Thermo Counter-sinking Tool, not suitable for Sto-Thermo Anchor II UEZ 8/60 and Sto-Screw-In Anchor H 60

## Sto-Anchor Plate Enlarger

Anchor plate enlarger for enlarging the plate diameter of EWIS anchors



### Area of application

for fixing stone wool insulation boards and lamellas, in combination with Sto-Thermo Anchor II UEZ 8/60, in combination with Sto-Hammer-In Anchor T UEZ 8/60, in combination with Sto-Hammer-In Anchor eco T SK 8/60, in combination with Sto-Schraubdübel H 60

<b>Colour shade</b>	white
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## Sto-Recessed Anchor Plate

Anchor plate enlarger for countersunk installation



### Area of application

exterior, for countersunk installation of the Sto-Thermo Anchor II UEZ 8/60

### Properties

additional plate for the Sto-Thermo Anchor II UEZ 8/60, for a homogeneous and smooth surface, no additional setting tool required

### Notes

minimum insulant thickness ≥ 80 mm, maximum insulant thickness ≤ 300 mm

<b>Colour shade</b>	white, yellow
<b>Application</b>	suitable for use with mineral wool insulation boards that correspond to, the standard T5 - DS (T+) - WL (P) and fulfil the following criteria:, compressive strength or compression stress at 10 % compression - 4.0 kPa, in accordance with EN 826. Tensile strength · 3.5 kPa in accordance with, EN 1607 Euroclass A1 or A2-s-1, d-0 in accordance with EN 13501-1

## Sto-Hammer-In Anchor S UEZ 8

Rail fixing with European Technical Approval



### Area of application

for fixing profiles made of plastic or metal, for concrete, solid and perforated building materials, use categories: A, B, C

### Notes

European Technical Approval ETA-05/0009

<b>Format</b>	diameter of the anchor shaft: 8 mm length, dimensions in mm: 45, 65, 85
<b>Colour shade</b>	white
<b>Application</b>	drill-hole depth: ≥ 35 mm, anchorage depth: ≥ 25 mm, in the load-bearing substrate

## Base coat

### StoArmat Classic S1

Organic, cement-free reinforcing compound/base coat with large texturing grain, non-combustible in accordance with EN 13501, basalt-fibre-modified



### Area of application



exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic® S1, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

### Properties

basalt-fibre-modified, cement-free, reaction to fire: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, reaction to fire in the StoTherm Classic® S1 system: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, mineral extenders, basalt-modified, very good application properties, highly reliable application thanks to additional large texturing grain, excellent application properties

### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 6.50 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	



### StoArmat Classic AimS®

Organic, cement-free reinforcing compound/base coat made from/with renewable resources





#### Area of application

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic® MW/MW-L AimS, as a levelling filler, as a renovation filler, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

cement-free, ready-to-use, very good application properties, highly reliable application thanks to additional large texturing grain, good filling properties, excellent application properties

<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic plus F/M/G

Organic, cement-free reinforcing compound/base coat



#### Area of application



exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic plus QS F/M/G

Organic, cement-free reinforcing compound/base coat with early rainproofing properties



#### Area of application



exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

early rainproofing with QuickSet Technology, cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoLevel Uni

Mineral bonding and reinforcing mortar/base coat



#### Area of application

exterior and interior, for reworking old mineral renders and nearly all old organic renders or masonry, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, for thin-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario, StoTherm Mineral and StoTherm Reno


#### Properties

very good application properties, very high adhesive strength and adhesion to substrate, very highly permeable to water vapour, very highly water-repellent, very highly weather-resistant

#### Notes

natureplus®-certified as part of an insulation system, quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	4.00 - 7.00 kg/m <sup>2</sup> bonding 4.00 - 5.00 kg/m <sup>2</sup> reinforcement 1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	



## StoLevell Novo

Mineral lightweight mortar/base coat for bonding and reinforcing with polystyrene as lightweight aggregate



### Area of application

exterior and interior, for bonding insulation boards onto mineral substrates, for producing medium- and thick-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario and StoTherm Mineral


### Properties

highly economical in consumption, suitable for application in medium to thick layers, highly suitable for machine application, very highly permeable to water vapour, very highly weather-resistant, low weight

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	3.50 - 4.00 kg/m <sup>2</sup> bonding
	5.00 - 15.00 kg/m <sup>2</sup> Reinforcement depends on system approval 4.50 - 14.00 kg/m <sup>2</sup> reinforcement for StoTherm Vario and Mineral 0.86 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	 sprayable with commonly available fine plaster and render spray machines

## Reinforcement

### Sto-Glass Fibre Mesh

Alkali-resistant reinforcing mesh



### Area of application

exterior and interior, as a reinforcing mesh, all-purpose

### Properties

optimised absorption of forces for the ultimate in reliability and crack prevention, high tensile strength, fibres resistant to dislocation, alkali-resistant, plasticiser-free, mass per unit area: approx. 165 g/m<sup>2</sup>, tear resistance on delivery: ≥ 1750 N/50 mm

<b>Approx. consumption</b>	1.00 m/m <sup>2</sup> with an overlap of 10 cm
<b>Format</b>	mesh width: 6 x 6 mm roll width: 110 cm
<b>Colour shade</b>	white with yellow markings

### Sto-Glass Fibre Mesh G

Alkali-resistant reinforcing mesh



### Area of application

exterior, as a reinforcing mesh in facade insulation systems with rigid cladding made from e.g. natural stone, porcelain stoneware, glass mosaic, and brick

### Properties

high tensile strength, fibres resistant to dislocation, highly alkali-resistant, plasticiser-free, mass per unit area: approx. 210 g/m<sup>2</sup>, tear resistance on delivery: ≥ 2400 N/50 mm

<b>Approx. consumption</b>	1.00 m/m <sup>2</sup> with an overlap of 10 cm
<b>Format</b>	mesh width: 7 x 8 mm roll width: 110 cm
<b>Colour shade</b>	white with yellow markings

### Sto-Armour Mesh

High-strength reinforcing mesh



### Area of application

exterior, as additional reinforcement, for improving the compressive strength of facade insulation systems in areas subject to a risk of impact

### Properties

high tensile strength, fibres resistant to dislocation, alkali-resistant, plasticiser-free, mass per unit area: approx. 450 g/m<sup>2</sup>, tear resistance on delivery: ≥ 4000 N/50 mm

<b>Approx. consumption</b>	1.00 m/m <sup>2</sup>
<b>Format</b>	mesh width: 7.5 x 7.5 mm width: 100 cm
<b>Colour shade</b>	white

### Sto-Detail Mesh

Extra-fine reinforcing mesh



### Area of application

exterior, for producing details, only suitable for cement-free fillers

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	mesh width: 3 x 3 mm width: 25 cm





## Sto-Armour Angle

Preformed, reinforced glass fibre mesh



### Area of application

exterior, for forming corners on facade insulation systems

### Properties

fibres resistant to dislocation, alkali-resistant, plasticiser-free, mass per unit area: approx. 280 g/m<sup>2</sup>, tear resistance on delivery: ≥ 2300 N/50 mm

<b>Approx. consumption</b>	7 x 9 cm	1.00 m/m
	11 x 13 cm	1.00 m/m
<b>Format</b>	mesh width clearance: 13 mm x 5 mm width: 7 x 9 cm or 11 x 13 cm length: 50 m	
<b>Colour shade</b>	white	

## Sto-Rustication Mesh

Preformed mesh piece



### Area of application

exterior, as reinforcement for rusticated facades

### Properties

convex mesh part, alkali-resistant

<b>Approx. consumption</b>	0.53 pcs./m
<b>Format</b>	Length: 200 cm type I: trapezoidal groove, width 3.0/2.0 cm, depth 1.5 cm type II: trapezoidal groove, width 3.5/2.0 cm, depth 1.5 cm type III: triangular groove, width 3.0 cm, depth 1.8 cm

## Sto-Rustication Mesh Corner Piece

Preformed mesh piece



### Area of application

exterior, as reinforcement for rusticated facades, for corners of buildings

### Properties

type for inward corner of buildings/outward corner of buildings, alkali-resistant

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	internal corner, external corner type I: trapezoidal groove, width 3.0/2.0 cm, depth 1.5 cm type II: trapezoidal groove, width 3.5/2.0 cm, depth 1.5 cm type III: triangular groove, width 3.0 cm, depth 1.8 cm

## Sto-Rustication Mesh Cross- and T-Piece

Preformed mesh piece



### Area of application

exterior, as reinforcement for rusticated facades, for cross-junctions of rustications

### Properties

version for cross-junctions/T-junctions of rustications, alkali-resistant

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	cross-piece, T-piece type I: trapezoidal groove, width 3.0/2.0 cm, depth 1.5 cm type II: trapezoidal groove, width 3.5/2.0 cm, depth 1.5 cm type III: triangular groove, width 3.0 cm, depth 1.8 cm



# Accessories

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### Sto-Starter Track Universal

Aluminium profile for the plinth area



**Area of application**  
for the plinth area in facade insulation systems

**Properties**  
made of piece-anodised aluminium, extruded for maximum stability, with an integrated drip edge

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	projection: 22, 32, 42, 52, 62, 72, 82, 92, 102, 122, 142, 152, 162, 182, 202 mm Length: 200 cm

### Sto-Starter Track Universal Corner Piece

Aluminium profile for the plinth area



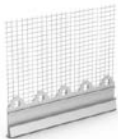
**Area of application**  
exterior, for the plinth area in facade insulation systems, for building corners

**Properties**  
profile made of piece-anodised aluminium, extruded for maximum stability, with an integrated drip edge

<b>Approx. consumption</b>	1.00 pcs./m
<b>Format</b>	projection: 62, 82, 102, 122, 142, 162, 182 mm Length: 100 cm

### Sto-Clip-on Bead Perfect

Additional profile with integrated glass fibre mesh



**Area of application**  
exterior, for bridging in the joint area of the Sto-Starter Track Universal, guarantees a minimum layer thickness for reinforcements in the plinth area

**Properties**  
made of plastic, with integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 230 cm drip edge: 3 and 6 mm Length: 240 cm drip edge: 10 mm
<b>Colour shade</b>	white

### Sto-Packing Shim

Spacer with central notch



**Area of application**  
as an underlay to compensate for unevenness of the substrate, for starter tracks

**Properties**  
made of plastic

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	30 x 30 mm

### Sto-Starter Track Connector S

Connecting element



**Area of application**  
for connecting Sto-Starter Track Universal in the joint area

**Properties**  
made of plastic

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	length: 30 mm

### Sto-Starter Track Connector L

Connecting element



**Area of application**  
for connecting plinth profiles in the joint area

**Properties**  
made of plastic, can be cut to size as needed

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	length: 115 cm



### Sto-Mesh Angle Bead Standard

Edge profile with integrated glass fibre mesh



**Area of application**

exterior, for forming corners on facade insulation systems

**Properties**

made of plastic, with integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	mesh width: 4 x 4 mm mesh piece, dimensions in cm: 11/13, 11/22, 10/35 other formats on request length: 250 cm
<b>Colour shade</b>	yellow profile

### Sto-Mesh Corner Roll Ideal

Mesh angle with variable angle formation



**Area of application**

exterior, for forming corners on facade insulation systems, for straight-edged or acute-angled external corners of buildings

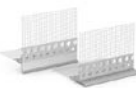
**Properties**

made of plastic, with integrated glass fibre mesh, variable angle formation possible, with a robust plastic edge

<b>Approx. consumption</b>	1.00 m/m
<b>Colour shade</b>	white

### Sto-Drip Edge Profile Vario

Variable drip edge profile with integrated glass fibre mesh



**Area of application**

exterior, for forming drip edges on facade insulation systems, for creating a horizontal edges for ceramic cladding, as edge protection in StoReno, for thin- and medium-layer reinforcement

**Properties**

made of plastic, with integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

### Sto-Drip Edge Profile DP

Edge profile with integrated glass fibre mesh



**Area of application**

exterior, for forming drip edges on facade insulation systems

**Properties**

made of plastic, with integrated glass fibre mesh, with connecting pins for a flush butt joint

<b>Approx. consumption</b>	profile	1.00 m/m
	corner piece	1.00 pcs./pcs.
<b>Format</b>	drip edge: 3, 6, 10 mm Length: 240 cm	
<b>Colour shade</b>	white	



## Overview of Sto-Seal Beads

	Area of application				
	Window recessed in the masonry (wall structure)		Window flush with the masonry (wall structure)		Window in front of the masonry (wall structure), in the insulant <sup>1)</sup>
<b>Window size</b>	≤ 3 m <sup>2</sup>	≤ 10 m <sup>2</sup>	≤ 10 m <sup>2</sup>	≤ 10 m <sup>2</sup>	≤ 10 m <sup>2</sup>
<b>Installation length</b>	≤ 2,4 m (without joints)	≤ 7,2 m	≤ 7,2 m	≤ 7,2 m	≤ 7,2 m
<b>Insulant thickness</b>	≤ 160 mm	≤ 300 mm	≤ 160 mm	≤ 300 mm	≤ 300 mm
<b>Sto-Seal Bead Supra</b>	✓	✓	✓	✓	✓
<b>Sto-Seal Bead Perfect</b>	✓	✓	✓ <sup>2)</sup>		

✓ suitable

<sup>1)</sup> Does not apply to windows that are flush with the finished facade or protrude from it.

<sup>2)</sup> Can also be used with an insulant thickness of up to 200 mm if the window is ≤ 6 m<sup>2</sup>.

### Sto-Seal Bead Supra

Reveal bead with integrated PU joint sealing tape



#### Area of application

exterior, for permanent waterproofing of junctions to other building elements (window and door frames, shutter guide tracks) in facade insulation systems, suitable for windows (< 10 m<sup>2</sup>) which are recessed in the brickwork, flush with the brickwork, or situated in front of the brickwork, insulant thickness: ≤ 300 mm, not suitable for windows that are flush with the finished facade or protrude from it

#### Properties

with a PUR joint sealing tape for the absorption of three-dimensional movements, self-adhesive, made of plastic, with integrated glass fibre mesh, with a shadow gap, with a self-adhesive protective strip for fixing masking foils

#### Notes

selection depends on window size, installation length, and insulant thickness in accordance with overview table or Technical Data Sheet

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 140 cm, 240 cm width: 22 mm
<b>Colour shade</b>	white, anthracite



### Sto-Seal Bead Supra

Reveal bead with integrated PU joint sealing tape



**Area of application**

exterior, for permanent waterproofing of junctions to other building elements (window and door frames, shutter guide tracks) in facade insulation systems, suitable for windows (< 10 m<sup>2</sup>) which are recessed in the brickwork, flush with the brickwork, or situated in front of the brickwork, insulant thickness: ≤ 300 mm, not suitable for windows that are flush with the finished facade or protrude from it

**Properties**

with a PUR joint sealing tape for the absorption of three-dimensional movements, self-adhesive, made of plastic, with integrated glass fibre mesh, with a shadow gap, with a self-adhesive protective strip for fixing masking foils

**Notes**

selection depends on window size, installation length, and insulant thickness in accordance with overview table or Technical Data Sheet

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 155 cm, 260 cm width: 22 mm
<b>Colour shade</b>	white, anthracite

### Sto-Seal Bead Perfect

Reveal bead with telescopic mechanism



**Area of application**

exterior, for permanent waterproofing of junctions to other building elements (window and door frames, shutter guide tracks) in facade insulation systems, suitable for windows (< 10 m<sup>2</sup>) that are set back or flush with the masonry, insulant thickness: ≤ 300 mm (set-back windows in masonry) or ≤ 160 mm (masonry-flush windows)

**Properties**

with a flexible telescope mechanism to absorb three-dimensional movements, self-adhesive, made of plastic, with integrated glass fibre mesh, with a visible white protective flap, with a self-adhesive protective strip for fixing masking foils

**Notes**

selection depends on window size, installation length, and insulant thickness in accordance with overview table or Technical Data Sheet, Recommendation: to improve the adhesion of the self-adhesive joint sealing tape, pre-treat the window frame with a primer pen, e.g. with the 3Ks primer pen.

<b>Approx. consumption</b>	1.0 m/m
<b>Format</b>	length: 140 cm, 240 cm width: 10 mm
<b>Colour shade</b>	white

### Sto-Seal Bead Perfect

Reveal bead with telescopic mechanism



**Area of application**

exterior, for permanent waterproofing of junctions to other building elements (window and door frames, shutter guide tracks) in facade insulation systems, suitable for windows (< 10 m<sup>2</sup>) that are set back or flush with the masonry, insulant thickness: ≤ 300 mm (set-back windows in masonry) or ≤ 160 mm (masonry-flush windows)

**Properties**

with a flexible telescope mechanism to absorb three-dimensional movements, self-adhesive, made of plastic, with integrated glass fibre mesh, with a visible white protective flap, with a self-adhesive protective strip for fixing masking foils

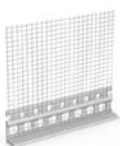
**Notes**

selection depends on window size, installation length, and insulant thickness in accordance with overview table or Technical Data Sheet, Recommendation: to improve the adhesion of the self-adhesive joint sealing tape, pre-treat the window frame with a primer pen, e.g. with the 3Ks primer pen.

<b>Approx. consumption</b>	1.0 m/m
<b>Format</b>	length: 155 cm, 260 cm width: 10 mm
<b>Colour shade</b>	white

### Sto-Render Stop Profile

Stop profile with stop and integrated glass fibre mesh



**Area of application**

exterior and interior, for producing neat render edges

**Properties**

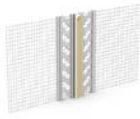
made of plastic, with integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	smoothing ridge/layer thickness: 3, 6, 10, 15, 20 mm Length: 240 cm
<b>Colour shade</b>	white



### Sto-Render Separation Profile

Profile to separate render coatings



**Area of application**

for separating adjacent render coatings, for corner formation, for a layer thickness of 5 mm

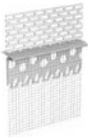
**Properties**

made of plastic with integrated glass fibre mesh, variable angle formation possible, with two ridges for even smoothing

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

### Sto-Roof Vent Profile Air

Connection profile for roof ventilation with integrated glass fibre mesh



**Area of application**

exterior, for roof ventilation, as a roof connection between roof rafters in conjunction with external wall insulation systems

**Properties**

made of plastic, with integrated glass fibre mesh, ventilation cross-section  $\geq 202 \text{ cm}^2/\text{running metre}$

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

### Sto-Parapet Profile

Connection profile with integrated glass fibre mesh



**Area of application**

exterior, for connection to parapet covering in facade insulation systems

**Properties**

made of plastic, with integrated glass fibre mesh, with a corresponding corner piece

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	profile length: 230 cm corner piece: 10 x 10 cm
<b>Colour shade</b>	white

### Sto-Transition Profile for Sheet Metal

Stop profile with integrated glass fibre mesh



**Area of application**

exterior, to form a transition at sheet metal flashing (flat roof, terrace, etc.) on facade insulation systems

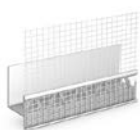
**Properties**

made of plastic, with integrated glass fibre mesh, with plastic anchors for optional fixing in the insulant

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

### Sto-Edge Protection Profile 20 mm

Stop profile for render carrier boards



**Area of application**

as a bottom finish of render carrier boards with a thickness of 20 mm

**Properties**

made of plastic, with integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	drip edge: 3, 6, 10 mm Length: 240 cm
<b>Colour shade</b>	white

## Joint formation, filling compounds

### Sto-Expansion Joint Profile E

Profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems, for joint widths of 20-30 mm

**Properties**

made of plastic, with a stable, mesh-reinforced, expanding joint cover, with a ridge for even smoothing, with integrated glass fibre mesh, weather-resistant, UV-resistant, can be combined with the Sto-Expansion Joint Cover E

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	profile: white, expanding joint cover: dark grey



### Sto-Expansion Joint Cover E

Additional profile for Sto-Expansion Joint Profile E



**Area of application**

exterior, for covering the expanding joint cover of the Sto-Expansion Joint Profile E, for vertical joints, for joint widths of 20-25 mm

**Properties**

made of plastic, absorbs movement, profile clips in, weather-resistant, UV-resistant

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

### Sto-Expansion Joint Profile E Cross Piece

Cross profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems

**Properties**

made of plastic, with an expanding joint cover and integrated glass fibre mesh

<b>Format</b>	projection length: 30 cm each
<b>Colour shade</b>	dark grey, expanding joint cover

### Sto-Expansion Joint Profile E T-Piece

T-profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems

**Properties**

made of plastic, with an expanding joint cover and integrated glass fibre mesh

<b>Format</b>	projection length: 30 cm each
<b>Colour shade</b>	dark grey, expanding joint cover

### Sto-Expansion Joint Profile E L-Piece

L-profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems

**Properties**

made of plastic, with an expanding joint cover and integrated glass fibre mesh

<b>Format</b>	projection length: 30 cm each
<b>Colour shade</b>	dark grey, expanding joint cover

### Sto-Expansion Joint Profile E External Corner Piece

External corner profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems

**Properties**

made of plastic, with an expanding joint cover and integrated glass fibre mesh

<b>Format</b>	projection length: 30 cm each
<b>Colour shade</b>	dark grey, expanding joint cover

### Sto-Expansion Joint Profile E Internal Corner Piece

Internal corner profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems

**Properties**

made of plastic, with an expanding joint cover and integrated glass fibre mesh

<b>Format</b>	projection length: 30 cm each
<b>Colour shade</b>	dark grey, expanding joint cover





### Sto-Expansion Joint Profile V

Profile for structural expansion joints where the wall surfaces are offset



**Area of application**

exterior, for forming structural expansion joints between offset wall surfaces in facade insulation systems, for joint widths of 20-30 mm

**Properties**

made of plastic, with a stable, mesh-reinforced, expanding joint cover, with a ridge for even smoothing, with integrated glass fibre mesh, weather-resistant, UV-resistant, can be combined with the Sto Expansion Joint Cover V

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	profile: white, expanding joint cover: dark grey

### Sto-Expansion Joint Tape

Compressed sealing tape made of impregnated flexible foam for structural expansion joints



**Area of application**

exterior, for waterproofing structural expansion joints, for joint widths (internal width plus movement capability) from 10-18 mm, 13-24 mm, 17-32 mm, and 28-40 mm

**Properties**

fully impregnated, self-expanding, self-adhesive

**Notes**

stress group BG 1 in accordance with DIN 18542, resistance to driving rain is only assured if the joint width is within the area of application (e.g. 13-24 mm), delivery form: roll, length of the roller cover depends on the tape width

<b>Approx. consumption</b>	Type 1	1.02 m/m
<b>Format</b>	width of the tape / joint width (area of application): 25 mm / 10-18 mm 30 mm / 13-24 mm 37 mm / 17-32 mm 47 mm / 28-40 mm	
<b>Colour shade</b>	anthracite, light grey	

### Sto-Joint Sealing Tape Lento

Compressed sealing tape made of impregnated flexible foam



**Area of application**

for waterproofing connections between facade insulation systems and adjacent building elements, the slow expansion makes it particularly suitable for creating complex connections (e.g. for window sills), for the following joint widths (internal width plus movement capability): 2-6 mm, 3-9 mm, 5-12 mm, and 9-18 mm

**Properties**

resistant to driving rain, fully impregnated, slowly expanding, self-adhesive

**Notes**

resistance to driving rain is only assured if the joint width is within the area of application (e.g. 2-6 mm)

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width of the tape / joint width: 15 mm / 2-6 mm 15 mm / 3-9 mm 15 mm / 5-12 mm 25 mm / 9-18 mm
<b>Colour shade</b>	anthracite

### Sto-Joint Sealing Tape 2D

Compressed joint sealing tape made of impregnated flexible foam



**Area of application**

for waterproofing connections to adjacent building elements on facade insulation systems, for the following joint widths (internal width plus movement capability): 2-6 mm and 5-12 mm, not suitable for joints and connections with large movements (e.g. structural expansion joints), for timber frame construction we recommend Sto-Joint Sealing Tape Lento

**Properties**

resistant to driving rain, impregnated on the sides, rapidly expanding, self-adhesive

**Notes**

resistance to driving rain is only assured if the joint width is within the area of application (e.g. 2-6 mm)

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width of the tape / joint width: 15 mm / 2-6 mm 15 mm / 5-12 mm
<b>Colour shade</b>	anthracite

### Sto-Backing Rod

Cylindrical profile made of closed-cell polyethylene foam as joint backing strip



**Area of application**

for filling the backs of joints that are later to be filled with sealant, to prevent joint sealants from adhering on three sides

**Properties**

water-repellent, elastic

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	cylindrical profile



### StoSeal F 505

Joint sealant for facades, non-sag



**Area of application**


for waterproofing facade joints, window and door connections, for bonding fillet profiles

**Properties**

highly elastic, optimum non-sag properties, high adhesive strength, moisture-curing

**Notes**

also suitable for bonding joint sealing tapes in buildings, product is in accordance with EN 15651-1

<b>Colour shade</b>	grey, white
<b>Application</b>	 with a suitable cartridge gun

### StoColl Fix

Fixing aid and adhesive compound




**Area of application**

exterior, as a fixing aid, for example when using Sto-Turbofix, for bonding StoFix mounting elements, for bonding window sills on to second waterproofing layer, for bonding sheet metal coverings onto StoDeco Facade Elements

**Properties**

single-component, very high initial adhesion, high adhesive strength

<b>Approx. consumption</b>	4.00 - 8.00 m <sup>2</sup> /piece
<b>Format</b>	cartridge: 290 ml
<b>Colour shade</b>	white
<b>Application</b>	 with a suitable cartridge gun

### Sto-Joint Filler WF

Acrylic sealant



**Area of application**


exterior and interior, for bonding interior profiles, for waterproofing joints with no or very little movement, not suitable for joints with moderate and large movements (e.g. window connection joints, expansion joints)

**Properties**

plasto-elastic, does not contain plasticisers which may be released from the product

**Notes**

the product is not resistant to constant water exposure and should be protected by a paint coat in exteriors

<b>Format</b>	310 ml cartridge
<b>Colour shade</b>	white
<b>Application</b>	 with a suitable cartridge gun

### Sto-Gun Foam SE

Single-component PU filler foam



**Area of application**

exterior, for foaming joints and holes in insulation boards of up to 5 mm in width, for filling holes and other cavities

**Properties**

free from CFCs, thermally insulating, moisture-curing, resistant to heat, water, and various chemicals, building material class: B1 in accordance with DIN 4102



<b>Format</b>	ø tin: 65 mm height: 330 mm content: 750 ml
<b>Colour shade</b>	grey

### Sto-Gun Cleaner

Special cleaning agent on an acetone base



**Area of application**

exterior, for cleaning Sto-Filler Foam Pistols and removing uncured polyurethane foam

**Notes**

spray valve included

<b>Format</b>	ø tin: 65 mm Height: 250 mm content: 500 ml
<b>Colour shade</b>	transparent
<b>Application</b>	to be screwed onto the Sto-Filler Foam Gun



## Mounting elements

### StoFix Spiral

Mounting anchor made of plastic



**Area of application**

for subsequent fixing of lightweight building elements (bells, signs, etc.) in external wall insulation systems

**Notes**

not suitable for StoTherm Cell, observe the information in the technical documentation on StoFix mounting elements

<b>Format</b>	length: 60 mm
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### StoFix Cap

Mounting disc made of polypropylene



**Area of application**

exterior, to be bonded into the insulation board, as a mounting underlay for installing lightweight third-party components in external wall insulation systems without thermal bridging, for fixing building elements such as signs, shutter guiding rails etc., can be used in EPS and mineral wool insulation boards

**Properties**

made of high-quality plastic

**Notes**

only suitable for lightweight loads

<b>Format</b>	ø 90 mm ø usable area: 70 mm thickness: 10 mm
<b>Colour shade</b>	yellow
<b>Application</b>	bonding with StoColl Fix, mill out the insulation board with StoFix Cap milling tool

### StoFix Zyrillo

Mounting cylinder made of polystyrene foam



**Area of application**

exterior, for bonding in EPS or mineral wool insulation boards, as a mounting underlay for installing lightweight third-party components in external wall insulation systems without thermal bridging, direct screw fixing within the mounting element possible

**Properties**

expanded polystyrene, volume weight: 170 kg/m<sup>3</sup>

**Notes**

may not be used if fixings have to undergo structural tests on this element, e.g. on railings, not building inspectorate approved, observe the information in the technical documentation on StoFix mounting elements

<b>Format</b>	available in two sizes ø 70 mm, usable area: 50 mm ø 125 mm, usable area: 105 mm thickness: 70 mm
<b>Colour shade</b>	white
<b>Application</b>	bonding with StoColl Fix, mill out the insulation board with StoFix Zyrillo milling tool

### StoFix Ashlar ND Mini

Mounting ashlar made of polystyrene foam



**Area of application**

exterior and interior, for bonding onto the substrate, as a mounting underlay for installing lightweight third-party components in external wall insulation systems without thermal bridging, direct screw fixing within the mounting element possible, as a compression underlay for light loads

**Properties**

made of expanded polystyrene foam, volume weight: 170 kg/m<sup>3</sup>

**Notes**

may not be used if fixings have to undergo structural tests on this element, e.g. on railings, observe the information in the technical documentation on StoFix mounting elements

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	100 x 100 mm usable area: 80 x 80 mm thicknesses: 60-300 mm
<b>Colour shade</b>	white



### StoFix Ashlar ND Midi

Mounting ashlar made of polystyrene foam



**Area of application**

exterior and interior, for bonding onto the substrate, as a mounting underlay for installing lightweight third-party components that are free from thermal bridges in external wall insulation systems and the StoSilent Direct acoustic system, direct screw fixing within the mounting element possible, as a compression underlay for light loads

**Properties**

made of expanded polystyrene foam, volume weight: 170 kg/m<sup>3</sup>

**Notes**

may not be used if fixings have to undergo structural tests on this element, e.g. on railings, observe the information in the technical documentation on StoFix mounting elements

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	150 x 100 mm usable area: 130 x 80 mm thicknesses: 60-300 mm
<b>Colour shade</b>	white

### StoFix Ashlar Quick

Mounting ashlar made of polystyrene foam



**Area of application**

exterior and interior, for bonding onto the substrate, as a mounting underlay for installing lightweight third-party components that are free from thermal bridges in external wall insulation systems and the StoSilent Direct acoustic system, as a compression underlay for light loads

**Properties**

volume weight: 150 kg/m<sup>3</sup>, can be cut to size

**Notes**

building material class: B2 in accordance with DIN 4102, may not be used if fixings have to undergo structural tests on this element, e.g. on railings, observe the information in the technical documentation on StoFix mounting elements

<b>Format</b>	120 x 160 x 1000 mm
<b>Colour shade</b>	white

### StoFix Ashlar HD Maxi

Mounting ashlar made of rigid polyurethane foam



**Area of application**

exterior, for bonding onto the substrate, as a compression underlay for heavy loads

**Properties**

made of rigid polyurethane foam (PUR), volume weight: 200 kg/m<sup>3</sup>

**Notes**

building material class: B2 in accordance with DIN 4102, design thermal conductivity  $\lambda$ : 0.049 W/(m\*K), not building inspectorate approved, observe the information in the technical documentation on StoFix mounting elements

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	198 x 198 mm usable area: 198 x 198 mm thicknesses: 60-300 mm
<b>Colour shade</b>	beige

## Supplementary products

### Sto-Scaffold Plug

Plug made of impregnated flexible foam



**Area of application**

exterior, for waterproofing scaffold anchor holes in facade insulation systems

**Properties**

permanently elastic, made of impregnated flexible foam, with a plastic core, diffusion-open

<b>Approx. consumption</b>	1 pcs./pcs.
<b>Colour shade</b>	anthracite



## Overview of StoFentra window sills

	StoFentra Uni
<b>Basic profile</b>	StoFentra Window Sill Profile
<b>End profile</b>	StoFentra Upstand Profile Uni
<b>Properties</b>	made of aluminium weather-proof and corrosion-resistant clipped-on end profiles resistant to driving rain up to 1200 Pa
<b>Compensation of thermally induced length changes</b>	very elastic expansion strip
<b>Time of installation</b>	before bonding the insulation boards
<b>Accessories</b>	StoFentra Window Sill Bracket StoFentra Anti-Drumming Covering Profi StoFentra Expansion Profile StoFentra Internal Corner Connector StoFentra External Corner Connector
<b>Custom variants</b>	natural anodised white powder-coated (RAL 9016) anthracite powder-coated (RAL 7016) coloured powder-coated (RAL colour shades)

### StoFentra Window Sill Profile

#### StoFentra Window Sill Profile

Window sill basic profile made of coated aluminium



**Area of application**

in facade insulation systems, can be used in combination with the StoFentra Upstand Profile Uni or the StoFentra Sliding Stop Duo

**Properties**

weather-resistant, corrosion-resistant

**Notes**

RAL colour shades with mica or metallic effect and other special colours possible on request at a surcharge

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	projection: 90, 110, 130, 150, 165, 180, 195, 210, 225, 240, 260, 280, 300, 320, 340, 360, 380, 400 mm
<b>Colour shade</b>	natural anodised, white powder-coated (RAL 9016), anthracite powder-coated (RAL 7016), powder-coated in RAL colours

### StoFentra Uni

#### StoFentra Upstand Profile Uni

Aluminium profile with expansion strip



**Area of application**

in facade insulation systems, for inserting on to the StoFentra Window Sill Profile

**Properties**

resistant to driving rain up to 1200 Pa, with an expansion strip, with a T-shaped profile inserted at the side

**Notes**

RAL colour shades with mica or metallic effect and other special colours possible on request at a surcharge, also available as single items (order quantity is 0.5 pairs)

<b>Approx. consumption</b>	1.00 pair
<b>Format</b>	projection: 90-400 mm width: 25 mm
<b>Colour shade</b>	natural anodised, white powder-coated (RAL 9016), anthracite powder-coated (RAL 7016), coloured powder-coated in RAL colour shades



## StoFentra Accessories

### StoFentra Anti-Drumming Covering

Flexible foam tape



**Area of application**

for StoFentra Window Sill Profile, as a preventive measure for reducing noise (e.g. rain), for application by customer

**Properties**

self-adhesive

<b>Format</b>	width of the tape / max. window sill projection dimensions in mm: 50 / 150 80 / 240 100 / 300 130 / 380 160 / 500
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### StoFentra Window Sill Bracket

Accessories for Sto window sills



**Area of application**

for Sto window sills, for stabilising the window sills (wind loads)

**Properties**

two-part, with a stable aluminium angle bracket for fixing to the wall, with a self-adhesive plastic profile for fixing to the underside of the window sill, thermal decoupling, predetermines the correct window sill incline (5°)

**Notes**

select the bracket projection so that it ends approx. 6 cm in front of the drip edge of the window sill

<b>Format</b>	projection of the bracket: 95, 125, 170, 220, 300 mm
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### StoFentra Screws

Screws for fixing window sills



**Properties**

made of stainless steel

<b>Approx. consumption</b>	4.0 pcs./m
<b>Colour shade</b>	natural, white, anthracite, blended

### StoFentra Expansion Profile

Profile with waterproofing for compensating changes in length of windows sills larger than 3 m



**Area of application**

as a connecting piece for window sills over 3 m

**Properties**

for tension-free installation of overlength sills

**Notes**

please note that coloured powder-coated versions are subject to longer delivery times

<b>Format</b>	50-500 mm
<b>Colour shade</b>	natural anodised, white powder-coated (RAL 9016), anthracite powder-coated (RAL 7016), powder-coated in RAL colours

### StoFentra Internal Corner Connector

Profile for corner window sills for use in internal corners of buildings



**Area of application**

as a connecting piece for corner window sills (internal corner)

<b>Format</b>	50-500 mm
<b>Colour shade</b>	natural anodised, white powder-coated (RAL 9016), anthracite powder-coated (RAL 7016), powder-coated in RAL colours

### StoFentra External Corner Connector

Profile for corner window sills for use in external corners of buildings



**Area of application**

as a connecting piece for corner window sills (external corner)

**Notes**

please note that coloured powder-coated versions are subject to longer delivery times

<b>Format</b>	50-500 mm
<b>Colour shade</b>	natural anodised, white powder-coated (RAL 9016), anthracite powder-coated (RAL 7016), powder-coated in RAL colours



## Sto-Balcony Threshold

### Sto-Balcony Threshold

Threshold made of aluminium chequer plate



**Area of application**  
in the facade insulation system

**Properties**  
made of aluminium, versions: coarse chequered, fine chequered, watertight as it is welded, weather-resistant

**Notes**  
place an additional order for lateral upstands, The natural anodised colour shade is recommended for visual reasons. Other colour shades can cause the paint coat on the corrugation to abrade., the Sto-Balcony Threshold is also available in combination with the StoFentra Upstand Profile Profi

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length, dimensions in mm: 50 - 500
<b>Colour shade</b>	natural anodised, white powder-coated (RAL 9016), anthracite powder-coated (RAL 7016), powder-coated in RAL colours

## Supplementary products

### Sto-Window Sill Tape

Compressed sealing tape made of impregnated flexible foam



**Area of application**  
especially for installing behind the Sto-Window Sill

**Properties**  
resistant to driving rain in accordance with DIN 18542 BG 1, fully impregnated, slowly expanding, self-adhesive

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width of the tape / joint width: 20 mm / 1.5-3 mm
<b>Colour shade</b>	red

### StoFlexyl

Organic filler for waterproofing and for protection from moisture



**Area of application**  
exterior, as a primer, as a bonding mortar, as a filler, as a reinforcing compound, as an undercoat, for protection from moisture

**Properties**  
provides protection against moisture in the plinth area and in the soil, good adhesion on bitumen substrates, highly versatile in use, sufficiently weather-resistant for use in plinth areas, crack extension: as reinforcement with mesh, approx. 2 %

<b>Approx. consumption</b>	3.90 kg/m <sup>2</sup> waterproofing (layer thickness $\geq$ 3.0 mm) 2.00 kg/m <sup>2</sup> bonding 0.50 kg/m <sup>2</sup> 2-fold slurry-applied moisture protection coat (approx. 0.7 mm) 1.30 kg/m <sup>2</sup> reinforcement
<b>Colour shade</b>	grey/white
<b>Application</b>	 must be mixed with StoFlexyl Cement / cement CEM I or CEM II A/LL or CEM II B/LL parts by weight 1.0 : 1.0, as a moisture protection coat: additionally dilute with approx. 10 % water

### StoFlexyl Cement

Special cement for StoFlexyl



**Area of application**  
exterior, in combination with StoFlexyl

**Properties**  
special cement for StoFlexyl type CEM II B-LL 42.5 R

<b>Approx. consumption</b>	3.90 kg/m <sup>2</sup> waterproofing 2.00 kg/m <sup>2</sup> bonding 0.50 kg/m <sup>2</sup> primer and moisture protection coat 1.30 kg/m <sup>2</sup> reinforcement
<b>Appearance</b>	white Portland cement
<b>Colour shade</b>	white
<b>Application</b>	see the Technical Data Sheet for StoFlexyl

### StoGuard Mesh

Self-adhesive, flexible reinforcing mesh



**Area of application**  
to produce a second waterproofing layer underneath window sills in combination with StoFlexyl

**Properties**  
alkali-resistant, plasticiser-free, self-adhesive, flexible, good adaptation to the substrate

<b>Approx. consumption</b>	1 m/m
<b>Format</b>	mesh width: 4 x 4 mm width: 100, 250 mm
<b>Colour shade</b>	white







# Ventilated rainscreen cladding systems

56 Overview of ventilated rainscreen cladding systems

58 StoVentec R

60 StoVentec S

61 StoVentec C

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64 StoVentec Glass

66 System components










78 Accessories



Residential estate Residence Unik - Zac Seguin, Paris, FR  
Photo: Manuel Panaget, Le Mesnil-le-Roi, FR





## StoVentec: an overview

System	insulating layer		Carrier layer	Reinforcing layer	Material layer		
	Insulant	Conductivity group	Sub-struction	Base coat	Surfaces	Fixing of the surface	Additional material options
<b>StoVentec R</b>	 Mineral wool, with nonwoven fabric	 From WLG 032	wall bracket, T-profile and carrier board	 mineral or organic base coats	 StoSignature, StoEcoshape, StoCleyer B	non-visible	 StoDeco can be freely combined with other facade materials
<b>StoVentec S</b>			wall bracket, T-profile and carrier board		 StoStone	non-visible	StoDeco, can be freely combined with other facade materials
<b>StoVentec C</b>			wall bracket, T-profile and carrier board		 StoCera, StoBrick	non-visible	StoDeco, can be freely combined with other facade materials
<b>StoVentec M</b>			wall bracket, T-profile and carrier board		 StoGlass Mosaic	non-visible	StoDeco, can be freely combined with other facade materials
<b>StoVentec Glass</b>			wall bracket, T-profile and agraffe profile		 StoVentec Glass	non-visible	Combination with other StoVentec systems possible

■■ excellent  
 ■ good



**System properties**

Reaction to fire	Mechanical resistance	Installation possible in all weathers	Curved facades, 3D facades	Sound insulation	Joint pattern
					
Up to A2-s1, d0 in accordance with EN 13501-1	very high impact resistance, tested stability during earthquakes	■ surface to be applied on site	■ ■	tested sound insulation improvement of up to 12 dB	seamless
	very high impact resistance, tested stability during earthquakes	■ surface to be applied on site	■ ■	tested sound insulation improvement of up to 14 dB	seamless
	very high impact resistance, tested stability during earthquakes	■ surface to be applied on site	■ ■	tested sound insulation improvement of minimum 12 dB	seamless
	high impact resistance, tested stability during earthquakes	■ surface to be applied on site	■ ■	tested sound insulation improvement of minimum 12 dB	seamless
Up to A2-s1, d0 in accordance with EN 13501-1	high impact resistance, tested stability during earthquakes and in case of blast loads	■ ■ factory-produced panels	■	tested sound insulation improvement of up to 18 dB	accentuated joints



# StoVentec R

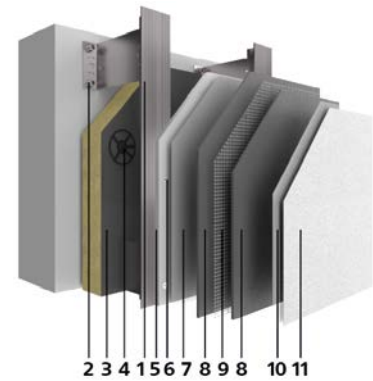
## Seamless, rainscreen cladding facade with render

### System advantages

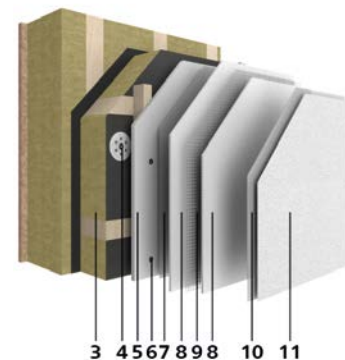
- benefits in terms of building physics thanks to rear ventilation of the facade (humidity, sound and thermal protection)
- almost unlimited creative possibilities using colours, textures, and materials
- large seamless facade surfaces possible
- unevenness can be levelled by means of an adjustable sub-construction
- high reliability due to system solution with matched components
- sub-construction consisting of a wall bracket and vertical carrier profile (StoVenturo Y): curved forms possible

### Overview StoVentec R

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings, installation limits in accordance with national building regulations</li> <li>• especially suitable for fine surface textures</li> <li>• sub-construction consisting of a wall bracket and carrier profile (StoVenturo Y): large system build-ups are possible, e.g. &gt; 60 cm, suitable for the passivhaus standard with a certified sub-construction</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber frame construction</li> <li>• lightweight construction</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• in timber frame construction with timber supporting battens</li> <li>• sub-construction consisting of a wall bracket and carrier profile (StoVenturo Y): easily adjustable sub-construction made of a stainless steel and aluminium combination with the lowest thermal bridging coefficients</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• mineral wool faced with nonwoven</li> <li>• system implementation also possible without insulation</li> <li>• sub-construction consisting of a wall bracket and carrier profile (StoVenturo Y): large insulant thicknesses possible</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• class B-s1, d0 in accordance with EN 13501-1 with StoVentec Carrier Board</li> <li>• class A2-s1, d0 in accordance with EN 13501-1 with StoVentec Carrier Board A and a mineral or special organic coating build-up</li> <li>• class A2-s1, d0 in accordance with EN 13501-1 with StoVentec Carrier Board S and a mineral or special organic coating build-up</li> <li>• Fire barriers may be required in accordance with national specifications.</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> </ul>
<b>Sound insulation</b>	<ul style="list-style-type: none"> <li>• improvement of up to 12 dB (A) in the sound reduction index</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• very light, flexible carrier board made of expanded glass granulate with a low thermal expansion coefficient</li> <li>• special protection against algae and fungi with a double coat of paint</li> <li>• optional Lotus-Effect® Technology</li> <li>• optional Dryonic Technology for protection against microorganisms and for fastest possible drying</li> <li>• sub-construction consisting of a wall bracket and vertical carrier profile (StoVenturo Y): resistant to earthquakes</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• Organic renders, silicone resin renders, renders with Lotus-Effect® Technology, mineral renders, and silicate renders in stippled render texture, rilled render texture, or in free-style textured render</li> <li>• can be combined with three-dimensional facade elements made of Verolith granulate</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• tintable in accordance with the StoColor System</li> <li>• no limitation to the light reflectance value if using an organic build-up</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• simple and fast installation due to light panel weight</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



- 1 Sub-construction
- 2 Anchorage
- 3 Insulation
- 4 Fixing
- 5 Carrier board
- 6 Fixing of the carrier boards
- 7 Priming coat
- 8 Base coat
- 9 Reinforcement
- 10 Intermediate coat
- 11 Finishing coat
- 12



- 1 Sub-construction not included in the scope of delivery
- 2 Anchorage in accordance with project-based structural analyses
- 3 Insulation
- 4 Fixing
- 5 Carrier boards
- 6 Fixing of the carrier boards
- 7 Priming coat
- 8 Base coat
- 9 Reinforcement
- 10 Intermediate coat
- 11 Finishing coat
- 12



## System description of StoVentec R

Substrate	Solid construction	Timber frame construction
<b>Sub-construction</b> refer to chapter: System components	<b>Sto-Stainless Steel Wall Bracket</b>	
<b>Anchorage</b> refer to chapter: System components	<b>Sto-Facade Screw Dowel</b> with technical approval, project-based structural analysis	
<b>Insulation</b> refer to chapter: System components	<b>Sto-Glass Wool Board 033 RFC or Sto-Stone Wool Insulation Board 032 RFC fleece-laminated or Sto-Stone Wool Board 035 RFC fleece-laminated</b>	
<b>Fixing</b> refer to chapter: System components	<b>Sto-Insulation Dowel DH</b>	<b>Sto-Screw Dowel H 60</b>
<b>Sub-construction</b> refer to chapter: System components	<b>Sto-Aluminium T-Profile</b> with <b>Sto-Self-Drilling Facade Screw 5,5 x 19 mm</b> with over-tightening protection screwed onto <b>Sto-Stainless Steel Wall Bracket</b>	Timber retaining battens, min. thickness of 30 mm and width of 80 mm, in areas without board joint $\geq$ 40 mm wide. Timber screw in accordance DIN 1052 (not included in delivery)
<b>Carrier boards</b> refer to chapter: System components	<b>StoVentec Carrier Board A<sup>1)</sup></b>	<b>StoVentec Carrier Board</b>
<b>Fixing of the carrier boards</b> refer to chapter: System components	<b>Sto-Facade Screws 5,5 x 24 mm</b>	<b>Sto-Facade Screws 5,0 x 42 mm</b>
<b>Substrate coating</b> refer to chapter: System components	<b>Sto-Primer</b>	
<b>Base coat</b> refer to chapter: System components	<b>StoLevell Uni</b>	<b>StoArmat Classic S1 or StoArmat Classic Plus M</b>
<b>Reinforcement</b> refer to chapter: System components	<b>Sto-Glass Fibre Mesh</b>	
<b>Intermediate coat</b> refer to chapter: System components	<b>StoPrep Miral<sup>2)</sup></b>	
<b>Finish</b> refer to chapter: System components	<b>StoMiral K/R/MP</b> <b>StoColor Silco G</b>	<b>StoLotusan® K/MP or StoSilco® K/R/MP or Stolit® K/R/MP</b>

<sup>1)</sup> depending on national requirements, coat the rear side of the board with StoVentec Prep A, <sup>2)</sup> intermediate coat if necessary

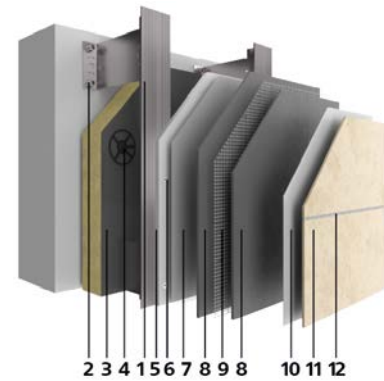


# StoVentec S

## Seamless, rainscreen cladding facade with a natural stone tiles

### System advantages

- for the design of individual, high-quality natural stone surfaces
- benefits in terms of building physics thanks to rear ventilation of the facade (humidity, sound and thermal protection)
- unevenness can be levelled by means of an adjustable sub-construction
- lowest thermal bridging coefficient due to bespoke sub-construction made from a combination of stainless steel and aluminium
- passivhaus-certified sub-construction possible that is free from thermal bridges
- highly weather-resistant
- very high crack resistance



2 3 4 1 5 6 7 8 9 8 10 11 12

- 1 Sub-construction
- 2 Anchorage
- 3 Insulation
- 4 Fixing
- 5 Carrier board
- 6 Fixing of the carrier boards
- 7 Priming coat
- 8 Base coat
- 9 Reinforcement
- 10 Bonding
- 11 Facade cladding
- 12 Pointing

### Overview StoVentec S

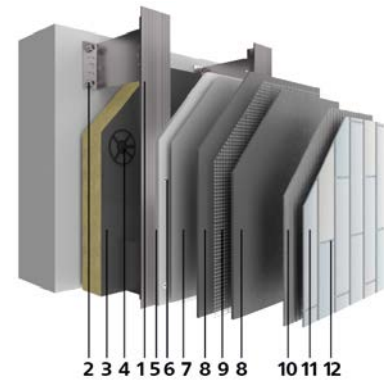
<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings, installation limits in accordance with national building regulations</li> <li>• suitable for passivhaus standard with a certified sub-construction</li> <li>• thick system build-ups (e.g. &gt; 60 cm) possible</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber frame construction</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• easily adjustable sub-construction made of a stainless steel/aluminium combination</li> <li>• in timber frame construction with timber supporting battens</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• mineral wool faced with nonwoven</li> <li>• thick insulant layer possible</li> <li>• system implementation also possible without insulation</li> </ul>
<b>Reaction to fire</b>	<p>13501-1 when using the StoVentec Carrier Board A or in accordance with</p> <ul style="list-style-type: none"> <li>• in a defined system build-up, class A2-s1, d0 in accordance with EN 13501-1 when using the StoVentec Carrier Board S, or in accordance with national standards when using the StoVentec Carrier Board</li> <li>• fire barriers may be required in accordance with national specifications</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• natural stone tiles</li> <li>• surface polished, honed, sand-blasted, brushed, edges bevelled as standard (also without bevel on request)</li> <li>• can be combined with three-dimensional facade elements made of Verolith granulate</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• extensive selection of colours due to various natural stones</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• fast installation</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.

# StoVentec C

## Seamless, rainscreen cladding facade with ceramics

### System advantages

- benefits in terms of building physics thanks to rear ventilation of the facade (humidity, sound and thermal protection)
- unevenness can be levelled by means of an adjustable sub-construction
- lowest thermal bridging coefficient due to bespoke sub-construction made from a combination of stainless steel and aluminium
- passivhaus-certified sub-construction possible that is free from thermal bridges
- highly weather-resistant
- very high crack resistance



- 1 Sub-construction
- 2 Anchorage
- 3 Insulation
- 4 Fixing
- 5 Carrier boards
- 6 Fixing of the carrier boards
- 7 Priming coat
- 8 Base coat
- 9 Reinforcement
- 10 Bonding
- 11 Facade cladding
- 12 Pointing

### Overview StoVentec C

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings, installation limits in accordance with national building regulations</li> <li>• suitable for passivhaus standard with a certified sub-construction</li> <li>• thick system build-ups (e.g. &gt; 60 cm) possible</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber frame construction</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• easily adjustable sub-construction made of a stainless steel/aluminium combination</li> <li>• in timber frame construction with timber supporting battens</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• mineral wool faced with nonwoven</li> <li>• thick insulant layer possible</li> <li>• system implementation also possible without insulation</li> </ul>
<b>Reaction to fire</b>	13501-1 when using the StoVentec Carrier Board A or in accordance with <ul style="list-style-type: none"> <li>• in a defined system build-up, class A2-s1, d0 in accordance with EN 13501-1 when using the StoVentec Carrier Board S, or in accordance with national standards when using the StoVentec Carrier Board</li> <li>• fire barriers may be required in accordance with national specifications</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• brick slips, ceramics</li> <li>• can be combined with three-dimensional facade elements made of Verolith granulate</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• extensive selection of colours, see e.g. brick range</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• fast installation</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.

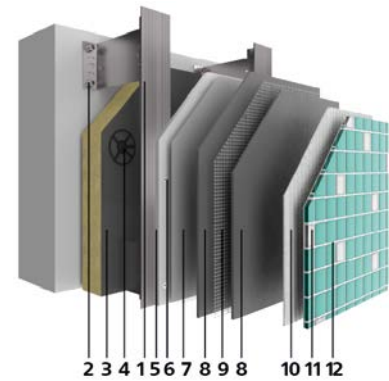


# StoVentec M

## Seamless, rainscreen cladding facade with glass mosaic

### System advantages

- for the design of custom, shiny surfaces made of glass mosaic
- benefits in terms of building physics thanks to rear ventilation of the facade (humidity, sound and thermal protection)
- curved shapes possible
- great freedom of design due to combinations of colours and formats with no limitation to the light reflectance value
- unevenness can be levelled by means of an adjustable sub-construction
- lowest thermal bridging coefficient due to bespoke sub-construction made from a combination of stainless steel and aluminium
- passivhaus-certified sub-construction possible that is free from thermal bridges
- highly weather-resistant
- very high crack resistance
- high reliability due to system solution with matched components



- 1 Sub-construction
- 2 Anchorage
- 3 Insulation
- 4 Fixing
- 5 Carrier boards
- 6 Fixing of the carrier boards
- 7 Priming coat
- 8 Base coat
- 9 Reinforcement
- 10 Bonding
- 11 Facade cladding
- 12 Pointing

### Overview StoVentec M

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings, installation limits in accordance with national building regulations</li> <li>• suitable for passivhaus standard with a certified sub-construction</li> <li>• thick system build-ups (e.g. &gt; 60 cm) possible</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber frame construction</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• easily adjustable sub-construction made of a stainless steel/aluminium combination</li> <li>• in timber frame construction with timber supporting battens</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• mineral wool faced with nonwoven</li> <li>• thick insulant layer possible</li> <li>• system implementation also possible without insulation</li> </ul>
<b>Reaction to fire</b>	13501-1 when using the StoVentec Carrier Board A or in accordance with <ul style="list-style-type: none"> <li>• in a defined system build-up, class A2-s1, d0 in accordance with EN 13501-1 when using the StoVentec Carrier Board S, or in accordance with national standards when using the StoVentec Carrier Board</li> <li>• fire barriers may be required in accordance with national specifications</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• shock-proof and impact-resistant</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• glass mosaic</li> <li>• glossy surface with a depth effect</li> <li>• can be combined with three-dimensional facade elements made of Verolith granulate</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• extensive selection of brilliant and intense colour shades</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• fast installation</li> <li>• curves can be implemented</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.





## System description StoVentec S, C, M

Substrate	Solid construction	Timber frame construction
<b>Sub-construction</b> refer to chapter: System components	<b>Sto-Stainless Steel Wall Bracket</b>	
<b>Anchorage</b> refer to chapter: System components	<b>Sto-Facade Screw Dowel</b> with technical approval, project-based structural analysis	
<b>Insulation</b> refer to chapter: System components	<b>Sto-Glass Wool Board 032 RFC or Sto-Stone Wool Insulation Board 033 RFC fleece-laminated or Sto-Stone Wool Board 035 RFC fleece-laminated</b>	
<b>Fixing</b> refer to chapter: System components	<b>Sto-Insulation Dowel DH</b>	<b>Sto-Screw Dowel H 60</b>
<b>Sub-construction</b> refer to chapter: System components	<b>Sto-Aluminium T-Profile</b> with <b>Sto-Self-Drilling Facade Screw 5,5 x 19 mm</b> with over-tightening protection screwed onto <b>Sto-Stainless Steel Wall Bracket</b>	wind protection sheeting placed onto the timber supporting battens  Timber retaining battens, min. thickness of 30 mm and width of 80 mm, in areas without board joint $\geq$ 40 mm wide. Timber screw in accordance DIN 1052 (not included in delivery)
<b>Carrier boards</b> refer to chapter: System components	<b>StoVentec Carrier Board A<sup>1)</sup></b>	<b>StoVentec Carrier Board</b>
<b>Fixing of the carrier boards</b> refer to chapter: System components	<b>Sto-Facade Screws 5,5 x 24 mm</b>	<b>Sto-Facade Screws 5,0 x 42 mm</b>
<b>Substrate coating</b> refer to chapter: System components	<b>Sto-Primer</b>	
<b>Base coat</b> refer to chapter: System components	<b>StoLevell Uni</b>	
<b>Reinforcement</b> refer to chapter: System components	<b>Sto-Glass Fibre Mesh</b>	
<b>Bonding</b> refer to chapter: System components	<b>StoColl KM</b>	
<b>Facade claddings</b> refer to chapter: System components	<b>Sto-Natural Stone Tiles (StoVentec S) or ceramic cladding (StoVentec C) or StoGlass Mosaic (StoVentec M)</b>	
<b>Pointing</b> refer to chapter: System components	<b>StoColl FM-S or FM-K</b>	

<sup>1)</sup> Depending on national requirements, coat the rear side of the board with StoPrep Ventec A

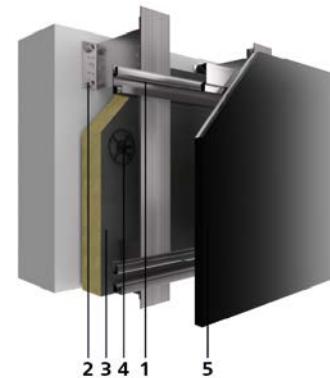


# StoVentec Glass

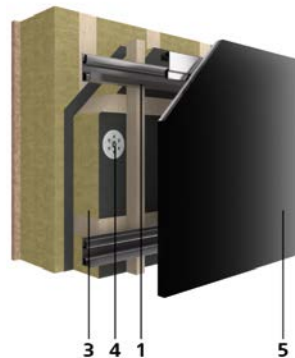
## Rainscreen cladding facade with accentuated joints and glass

### System advantages

- exclusive glass panel system with non-visible fixing
- panel facade with accentuated joints for the decorative design of high-quality glass surfaces (individual formats available)
- benefits in terms of building physics thanks to rear ventilation of the facade (humidity, sound and thermal protection)
- smooth surface resistant to dirt, making for low maintenance costs regarding cleaning
- unevenness can be levelled by means of an adjustable sub-construction
- fast installation in all weather conditions due to prefabrication at the factory, can simply be hung on agraffe profiles
- high reliability due to system solution with matched components



- 1 Sub-construction
- 2 Anchorage
- 3 Insulation
- 4 Fixing
- 5 Glass panel



- 1 Sub-construction
- 2 Anchorage in accordance with project-based structural analyses
- 3 Insulation
- 4 Fixing
- 5 Facade cladding

### Overview StoVentec Glass

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• new and existing buildings, installation limits in accordance with national building regulations</li> <li>• thick system build-ups (e.g. &gt; 60 cm) possible</li> <li>• exterior and interior</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• masonry, e.g. brick, calcium silicate masonry units, cellular concrete, fair-faced masonry and masonry veneer</li> <li>• concrete and concrete slab construction (three-layer concrete slabs)</li> <li>• timber frame construction</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• by agraffe profiles, non-visible</li> <li>• easily adjustable sub-construction made of a stainless steel-aluminium combination with the lowest thermal bridging coefficients</li> <li>• in timber frame construction with timber supporting battens</li> </ul>
<b>Thermal protection</b>	<ul style="list-style-type: none"> <li>• mineral wool faced with nonwoven</li> <li>• thick insulant layer possible</li> <li>• system implementation also possible without insulation</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• class B-s1, d0 in accordance with EN 13501-1, limited combustibility when using the StoVentec Glass glass panel</li> <li>• class A2-s1, d0 in accordance with EN 13501-1, non-combustible when using the StoVentec Glass A glass panel</li> <li>• Fire barriers may be required in accordance with national specifications.</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• high impact resistance</li> <li>• high stability in case of blast loads</li> <li>• low risk of injury in the event of glass breakage due to bonded tempered safety glass</li> </ul>
<b>Other properties</b>	<ul style="list-style-type: none"> <li>• resistant to earthquakes</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• smooth, shiny surface made of tempered safety glass with a depth effect</li> <li>• panel facade with joints as design elements</li> <li>• formats available up to 6.5 m<sup>2</sup></li> <li>• other glass variants on request</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• broad colour shade variety – RAL colour shades, screen printing, logos, etc.</li> <li>• no limitation to the light reflectance value</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• factory-produced panels are inserted into the sub-construction on the construction site</li> <li>• fast installation possible in all weathers</li> <li>• complete selection of detail solutions</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## System description StoVentec Glass

Substrate	Solid construction	Timber frame construction
<b>Sub-construction</b> refer to chapter: System components	<b>Sto-Stainless Steel Wall Bracket</b>	timber supporting battens (not included in delivery)
<b>Anchorage</b> refer to chapter: System components	<b>Sto-Facade Screw Dowel</b> with technical approval, project-based structural analysis	in accordance with project-based structural analyses
<b>Insulation</b> refer to chapter: System components	<b>Sto-Glass Wool Board 032 RFC or Sto-Stone Wool Insulation Board 033 RFC fleece-laminated or Sto-Stone Wool Board 035 RFC fleece-laminated</b>	
		wind protection sheeting placed onto the timber supporting battens
<b>Fixing</b> refer to chapter: System components	<b>Sto-Insulation Dowel DH</b>	<b>Sto-Screw Dowel H 60</b>
<b>Sub-construction</b> refer to chapter: System components	<b>Sto-Aluminium T-Profile</b> with <b>Sto-Self-Drilling Facade Screw 5,5 x 19 mm</b> with over-tightening protection screwed onto <b>Sto-Stainless Steel Wall Bracket</b>	Timber retaining battens, min. thickness of 30 mm and width of 80 mm, in areas without board joint $\geq$ 40 mm wide. Timber screw in accordance DIN 1052 (not included in delivery)
	<b>StoVentec Aluminium Agraffe Profiles</b> with <b>Sto-Self-Drilling Facade Screw 5,5 x 19 mm</b> without over-tightening protection screwed onto T-profile	<b>StoVentec Aluminium-Agraffe Profile</b> screwed onto the retaining batten frame with a timber screw in accordance with structural analyses (not included in delivery)
<b>Facade claddings</b> refer to chapter: System components	<b>StoVentec Glass</b>	



# System components

**67 Sub-construction**

**70 Anchorage**

**70 Insulation**

**71 Fixing**

**72 Carrier boards**

**72 Fixing of the carrier boards**

**73 Priming coat**

**73 Base coat**

**74 Reinforcement**

**75 Intermediate coat**

**75 Finishing coat**

**77 Facade claddings**





## Sub-Construction for StoVentec Facade

Sub-construction for ventilated rainscreen cladding systems



<b>Application</b>	Various technically approved screw-in facade anchors are available for, anchoring the sub-construction. The anchors generally have a $\varnothing \geq 10$ mm and must be selected according to the wall, material and type of sub-construction on a project-specific basis. A structural analysis is required for this.
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### StoVentro Bracket L200 GP

Sub-construction element in StoVentec facades



**Area of application**

for forming sliding points to absorb the effect of wind loads on the facade system

**Properties**

2 rows of holes, each with 2 oblong holes and 2 round holes, for fixing the Sto-Aluminium T- and L-profiles, with marking grooves for quick alignment of the carrier profiles and for dimensioning the wall bracket, made of aluminium: quality EN AW-6063 T66, tolerance in accordance with EN 755-9

**Notes**

order the optional thermal separating element separately

<b>Format</b>	anchor holes: 1 oblong hole: 11 mm x 18 mm, 2 oblong holes: 6.5 mm x 12 mm Height: 95.5 mm material thickness at a projection of 40-180 mm: 3.0 / 3.2 mm material thickness at a projection of 200-320 mm: 4.0 / 4.2 mm
<b>Application</b>	if necessary, anchor in the substrate with a thermal separating element

### StoVentro Bracket L200 FP

Sub-construction element in StoVentec facades



**Area of application**

for forming fixed and sliding points to absorb the dead weight of the facade system and the impact from wind loads

**Properties**

2 rows of holes, each with 2 oblong holes and 4 round holes, for fixing the Sto-Aluminium T- and L-profiles, with marking grooves for quick alignment of the carrier profiles and for dimensioning the wall bracket, made of aluminium: quality EN AW-6063 T66, tolerance in accordance with EN 755-9

**Notes**

order the optional thermal separating element separately

<b>Format</b>	anchor holes: 3 oblong holes: 11 mm x 18 mm, 2 oblong holes: 6.5 mm x 12 mm height: 135 mm material thickness at a projection of 40-180 mm: 3.0 / 3.2 mm material thickness at a projection of 200-320 mm: 4.0 / 4.2 mm
<b>Application</b>	if necessary, anchor in the substrate with a thermal separating element



## StoVentro Thermostop L100/L150

Thermal separating element between wall bracket and wall



### Area of application

thermal separating element between wall bracket and wall, to reduce thermal bridges, geometrically matched to the StoVentro Bracket L100 and StoVentro Bracket L150 wall brackets

### Properties

made of rigid PVC, with punched holes, thermal conductivity: 0.08-0.09 W/(m\*K)

<b>Approx. consumption</b>	1 item/wall bracket
<b>Format</b>	material thickness: 6 mm height: 130 mm, for fixed point height: 75 mm, for sliding point width: 50 mm
<b>Colour shade</b>	white

## Sto-Stainless Steel Corner Bracket

Sub-construction element for StoVentec facades



### Area of application

for the formation of fixed and sliding points, for dead weight absorption of the facade system, for the absorption of wind loads, for use in corner detail solutions, verify the project-specific structural engineering

### Properties

made of stainless steel: available in material no. 1.4301 and material no. 1.4404, compressive strength class S235 in accordance with ENEN 10088-2, tolerance in accordance with EN ISO 9445, with integrated retainer, with two oblong holes and three round holes for the formation of fixed and sliding points, for fixing the profiles: Sto-Aluminium-T-Profile, Sto-Aluminium-L-Profile

### Notes

other corner bracket sizes are available on request, delivery time on request, consumption depends on the structural analysis

<b>Format</b>	anchor holes: one oblong hole: 11 mm x 15 mm, two round holes $\varnothing$ 11 mm height: 136 mm material thickness: 2.5 mm available lengths, dimensions in mm: 440, 475, 535, 595
<b>Application</b>	anchored into the substrate

## Sto-Stainless Steel Lintel Bracket

Sub-construction element for StoVentec facades



### Area of application

for the formation of fixed and sliding points, for dead weight absorption of the facade system, for the absorption of wind loads, for use in building openings, e.g. windows for formation of a lintel or reveal, verify the project-specific structural engineering

### Properties

made of stainless steel: available in material no. 1.4301 and material no. 1.4404, compressive strength class S235 in accordance with ENEN 10088-2, tolerance in accordance with EN ISO 9445, with integrated retainer, with an oblong and a round hole for the formation of fixed and sliding points, for fixing the profiles: Sto-Aluminium-T-Profile, Sto-Aluminium-L-Profile

### Notes

other lintel bracket sizes are available on request, special articles on request, delivery time on request, consumption depends on the structural analysis

<b>Format</b>	anchor holes: two round holes, $\varnothing$ 11 mm Height: 73 mm material thickness: 2.5 mm available lengths, dimensions in mm: 281, 290, 560
<b>Application</b>	anchored into the substrate



## Sto-Aluminium-T- and -L-Profile

Profiles to support the StoVentec Carrier Board



### Area of application

the StoVentec Facade ventilated rainscreen cladding system is fixed to a sub-construction consisting of aluminium profiles, horizontal or vertical carrier profile to accommodate the StoVentec Carrier Board (StoVentec Carrier Board facade) or facade panels (StoVentec Panel facade)

### Properties

made of aluminium: quality EN AW-6063 T66, tolerance in accordance with EN 755-9

### Notes

delivery time on request, special articles on request, minimum order quantity: complete packaging units

<b>Format</b>	T-profile: 90 x 52.7 x 2.7 mm (flange) / 2.4 mm (blade) L-profile: 50 x 40 x 2.7 mm rod lengths: 3 m or 6 m respectively
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## StoVentec Aluminium Agraffe Profile

Agraffe profile for fitting StoVentec panels



### Area of application

horizontal agraffe profile (wall agraffe on a vertical T-profile) to absorb the Sto-Board Carrier Profile or the Sto-Stone Carrier Profile, for installing StoVentec panels, screwed onto the Sto-Aluminium T-Profile or vertical timber batten frame

### Properties

made of aluminium: quality EN AW-6063 T66, tolerance in accordance with EN 755-9

### Notes

installation in accordance with structural analysis with approved retaining elements, delivery form: item

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	agraffe profile (wall agraffe): 30.6 mm wide, 65 mm high, 3 or 6 m rod lengths material thickness: 3.0 mm (rear panel of the agraffe profile for screw connection on the Sto-Aluminium-T-profile) board carrier profile: width 28.8 mm, height 62.5 mm, rod length 6 m

## Sto-Self-Drilling Facade Screw

For connecting T- and L-profiles to wall brackets



### Area of application

connecting the T- and L-profiles to the wall brackets

### Properties

with a hexagon head, made of stainless steel

### Notes

use the Sto-Self-Drilling Facade Screw with over-tightening protection for connecting T- or L-profiles with the wall bracket, and for connecting the agraffe profile with the T-profile, the Sto-Self-Drilling Facade Screw without over-tightening protection is only required to prevent the StoVentec ARTline Inlay panels from shifting sideways, delivery time on request, special articles on request, minimum order quantity: complete packaging units

<b>Approx. consumption</b>	2 pcs./wall bracket
<b>Format</b>	5.5 x 19 mm

## StoVentro Screw 108

Drilling screw for connecting T-profiles and L-Profiles to the wall brackets



### Area of application

drilling screw for joining Sto-Aluminium-T-Profiles and Sto-Aluminium-L-Profiles to wall brackets made of aluminium or stainless steel

### Properties

made of stainless steel: material no. 1.4578, drive: external drive hexagon SW8, internal drive SR2, clamp area: 3.5 - 8 mm, high drilling performance: up to 5 mm in aluminium, drilling screw for sliding points and fixed points, adapted flange: 13 mm

### Notes

insert the drilling screw in the specified clamp area to join the T-profiles and L-profiles to wall brackets, observe the transverse and longitudinal edge distances during installation

<b>Format</b>	5.5 x 22 mm
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## Anchorage

### Sto-Screw-In Anchor VF BEZ-08 10

Screw-in anchors for RSC wall brackets



**Area of application**

for anchorage of metal sub-constructions in the substrate

**Properties**

anchor bolt made of stainless steel for use in non-cracked and cracked concrete

**Notes**

delivery time on request

<b>Format</b>	ø 10 mm length: 95 mm
<b>Application</b>	hexagon drive SW 17, use a high-performance anchor driver, the anchor must be fixed in the load-bearing substrate to a depth of at least 60 mm, drill-hole depth: ≥ 70 mm, anchorage depth: ≥ 60 mm

### Sto-Frame Anchor VF UEZ-01 10

Frame anchors for RSC wall brackets



**Area of application**

for anchorage of metal sub-constructions in the substrate

**Properties**

anchor for cellular concrete with collared screw made of galvanised steel, for concrete, solid brick, solid sand-lime brick, solid masonry made of lightweight concrete, vertical coring bricks, lightweight vertical coring bricks, cored sand-lime bricks, hollow blocks made of lightweight concrete and no-fines lightweight concrete

**Notes**

delivery time on request

<b>Format</b>	ø 10 mm
<b>Colour shade</b>	identifying colour: red
<b>Application</b>	drive with bit type Torx T40, use a high-performance anchor driver, the anchor must be fixed in the load-bearing substrate to a depth of at least 70 mm, drill-hole depth ≥ 80 mm, anchorage depth ≥ 70 mm

### Sto-Frame Anchor VF BVEZ-01 10

Frame anchors for RSC wall brackets



**Area of application**

for anchorage of metal sub-constructions in the substrate

**Properties**

anchor for cellular concrete with collared screw made of galvanised steel, for concrete, solid brick, solid sand-lime brick, solid masonry made of lightweight concrete

<b>Format</b>	ø 10 mm
<b>Colour shade</b>	identifying colour: blue
<b>Application</b>	drive with bit type Torx T40, use a high-performance anchor driver, the anchor must be fixed in the load-bearing substrate to a depth of at least 40 mm, concrete: drill-hole depth ≥ 50 mm, anchorage depth ≥ 40 mm, masonry: drill-hole depth ≥ 60 mm, anchorage depth ≥ 50 mm

## Insulation

### Sto-Stone Wool Insulation Board 033 RSC with nonwoven fabric backing

Insulation board made of mineral wool in accordance with EN 13162



**Area of application**

exterior, as an insulation board for StoVentec facades and ceiling claddings

**Properties**

thermal conductivity group 033, non-combustible, melting point: > +1000 °C, fire classification A1 in accordance with EN 13501-1, black nonwoven fabric facing on one side, water-repellent finish throughout, type of application: WAB (exterior insulation of walls behind cladding) in accordance with DIN 4108-10, sound-insulating, diffusion-open, recyclable, single-anchor technique possible with a thickness of ≥ 100 mm

**Notes**

article numbers/prices on request, other thicknesses/qualities on request

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	100 x 62.5 cm
<b>Application</b>	anchor-fixed to substrate





### Sto-Stone Wool Insulation Board 035 RSC with nonwoven fabric backing

Insulation board made of mineral wool in accordance with EN 13162



**Area of application**

exterior, as an insulation board for StoVentec facades and ceiling claddings

**Properties**

thermal conductivity group 035, non-combustible, melting point: > +1000 °C, fire classification A1 in accordance with EN 13501-1, black nonwoven fabric facing on one side, permanently water-repellent, type of application: WAB (exterior insulation of walls behind cladding) in accordance with DIN 4108-10, sound-insulating, diffusion-open, recyclable, single-anchor technique possible with a thickness of ≥ 100 mm, quick and easy to apply

**Notes**

approval and release is required for the single-anchor technique, packaging unit: bundle, amount/bundle of m<sup>2</sup> depends on board thickness, minimum order quantity 25 m<sup>3</sup>

<b>Approx. consumption</b>	1.0 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	100 x 62.5 cm
<b>Application</b>	anchor-fixed to substrate

### Sto-Glass Wool Board 032 RSC

Insulation board made of mineral wool in accordance with EN 13162



**Area of application**

exterior, as an insulation board for StoVentec facades and ceiling claddings

**Properties**

thermal conductivity group 032, non-combustible, can be used at temperatures of up to +150 °C, fire classification A1 in accordance with EN 13501-1, black nonwoven fabric facing on one side, water-repellent finish throughout, sound-insulating, diffusion-open, recyclable, unlimited use on buildings up to a height of 100 m

**Notes**

article numbers/prices on request, other thicknesses/qualities on request

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	125 x 60 cm
<b>Application</b>	anchor-fixed to substrate

### Fixing

#### Sto-Insulation Fastener DH

Hammer-in anchor for insulants in ventilated rainscreen cladding systems



**Area of application**

exterior, for fixing lightweight insulants for ventilated rainscreen cladding systems to facades and undersides, all-purpose use for all building materials, for concrete, solid and perforated building materials, no-fines lightweight concrete, cellular concrete - use category A, B, C, D, E

**Properties**

made of plastic, with embedment depth limitation to exactly 30 mm, prevents dimpled effect due to positioning the plate afterwards, suitable for Passivhaus buildings

**Notes**

two-part insulation fastener, shaft and plate must be ordered separately, the type name indicates the maximum insulant thickness to be fixed (not the shaft length)

<b>Approx. consumption</b>	5 pcs./m <sup>2</sup>
<b>Format</b>	ø anchor plate: 90 mm shaft lengths for insulant thicknesses from 60 to 300 mm
<b>Application</b>	drill-hole depth: ≥ 40 mm drill bit diameter: 8 mm anchorage depth: ≥ 30 mm, (in a load-bearing substrate)

#### Sto-Screw-In Anchor H 60

Insulation fixing



**Area of application**

exterior, for timber, board materials, for sheet metals up to a thickness of 0.75 mm, for surface-flush fixing of insulation boards in external wall insulation systems, for recessed fixing of insulation boards in external wall insulation systems

**Properties**

recessed installation in EPS to prevent anchor pattern staining, recessed installation without milling dust

**Notes**

accessories: see tools and machines – system tool – EWIS, special lengths are available on request

<b>Format</b>	plate diameter: 60 mm thread diameter of screw: 6 mm
<b>Colour shade</b>	white
<b>Application</b>	recommended anchorage depth: > 25 mm, surface-flush installation using long T25 bit and closing the screw opening with closing element provided, recessed installation in EPS with Sto-Thermo Anchor II MT and covering the anchor plate with Sto-Thermo Anchor Cap



## Carrier boards

### StoVentec Carrier Board

Render carrier board made of expanded glass granulate



#### Area of application

as a carrier board in the StoVentec RSC system for facade and ceiling cladding

#### Properties

mesh-reinforced on both sides, limited combustibility, resistant to mechanical stress, frost-resistant, low weight

<b>Approx. consumption</b>	1200 x 800	1.04 pcs./m <sup>2</sup>
	2400 x 1200	0.35 pcs./m <sup>2</sup>
<b>Format</b>	1200 x 800 x 12 mm 2400 x 1200 x 12 mm	
<b>Application</b>	The board is workable with all commercially available tools (knife, saw, etc.) and is screwed onto the sub-construction.	

### StoVentec Carrier Board A

Render carrier board made of expanded glass granulate



#### Area of application

all-purpose use for all substrates and dry building constructions, boarding on round constructions, EXTERIOR; carrier board for all StoTherm external wall insulation systems, carrier board for facade and ceiling cladding in the RSC system, impact protection through insulation renders or insulation systems, covering of non-load bearing substrates, openings, or roller shutter boxes, INTERIORS; cladding of stud walls and sanitary front wall elements, on walls, ceilings, slopes, under roofs, cellars, tile substrates and filler and levelling coat in wall areas, for water impact W2-1 or W3-1 in wet rooms and rooms exposed to moisture: professional waterproofing in accordance with DIN 18534 is required

#### Properties

reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0, frost-resistant, resistant to mechanical stress, low weight, easy processing, cut to size with a utility knife, moisture-resistant, but not suitable for permanent contact with fluid water, light appearance, visible mesh reinforcement on both sides

#### Notes

for a non-combustible system build-up (A2-s1, d0) in accordance with EN 13501 in the StoVentec S, M, C systems and depending on national approvals, use StoPrep Ventec A (applied quantity: 165 g/m<sup>2</sup>) to coat the side allocated to the ventilation airspace

<b>Approx. consumption</b>	1200 x 800 x 12 mm	1.04 pcs./m <sup>2</sup>
	2400 x 1200 x 12 mm	0.35 pcs./m <sup>2</sup>
<b>Format</b>	width x height, dimensions in mm: 1200 x 800, 2400 x 1200 thicknesses, dimensions in mm: 12	
<b>Application</b>	workable with all commercially available tools (knife, saw, etc.), screwed to sub-construction	

## Fixing of the carrier boards

### Sto-Facade Screws

Fixing screws for StoVentec Carrier Board



#### Area of application

to fix StoVentec Carrier Boards to the sub-construction

#### Properties

made of stainless steel, with Torx head TX25 (1 bit enclosed with each carton)

<b>Approx. consumption</b>	5.0 x 42 mm	12 - 20 pcs./m <sup>2</sup> depending on the wind load range
	5.5 x 24 mm	12 - 30 pcs./m <sup>2</sup> depending on the wind load range
	6.0 x 28 mm	12 - 30 pcs./m <sup>2</sup> depending on the wind load range
<b>Format</b>	5.0 x 42 mm (for timber sub-construction) 5.5 x 24 mm (for aluminium sub-construction) 6.0 x 28 mm (for steel sub-construction up to 1 mm thickness)	



## Priming coat

### Sto-Primer

Filled, pigmented, organic undercoat



#### Area of application

exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

#### Properties

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

#### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	

## Base coat

### Sto-RFP

Organic, cement-free reinforcing compound/base coat, ready-to-use



#### Area of application

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler, not suitable for horizontal or sloping surfaces that are subject to weathering (does not apply to StoDeco Facade Elements)

#### Properties

cement-free, highly flexible, resistant to cracking, maximum resistance to mechanical stress

<b>Approx. consumption</b>	2.50 - 4.00 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic plus

Organic, cement-free reinforcing compound/base coat with large texturing grain



#### Area of application



exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

cement-free, ready-to-use, very good application properties, highly reliable application thanks to additional large texturing grain, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 5.00 - 5.50 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic plus F/M/G

Organic, cement-free reinforcing compound/base coat



#### Area of application



exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	



### StoArmat Classic plus QS F/M/G

Organic, cement-free reinforcing compound/base coat with early rainproofing properties



#### Area of application


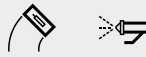
exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

early rainproofing with QuickSet Technology, cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic S1

Organic, cement-free reinforcing compound/base coat with large texturing grain, non-combustible in accordance with EN 13501, basalt-fibre-modified



#### Area of application



exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic® S1, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

basalt-fibre-modified, cement-free, reaction to fire: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, reaction to fire in the StoTherm Classic® S1 system: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, mineral extenders, basalt-modified, very good application properties, highly reliable application thanks to additional large texturing grain, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 6.50 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoLevel Uni

Mineral bonding and reinforcing mortar/base coat



#### Area of application

exterior and interior, for reworking old mineral renders and nearly all old organic renders or masonry, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, for thin-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario, StoTherm Mineral and StoTherm Reno

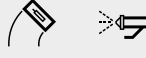
#### Properties

very good application properties, very high adhesive strength and adhesion to substrate, very highly permeable to water vapour, very highly water-repellent, very highly weather-resistant

#### Notes

natureplus®-certified as part of an insulation system, quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	4.00 - 7.00 kg/m <sup>2</sup> bonding 4.00 - 5.00 kg/m <sup>2</sup> reinforcement 1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	

## Reinforcement

### Sto-Glass Fibre Mesh

Alkali-resistant reinforcing mesh



#### Area of application

exterior and interior, as a reinforcing mesh, all-purpose

#### Properties

optimised absorption of forces for the ultimate in reliability and crack prevention, high tensile strength, fibres resistant to dislocation, alkali-resistant, plasticiser-free, mass per unit area: approx. 165 g/m<sup>2</sup>, tear resistance on delivery: ≥ 1750 N/50 mm

<b>Approx. consumption</b>	1.00 m/m <sup>2</sup> with an overlap of 10 cm
<b>Format</b>	mesh width: 6 x 6 mm roll width: 110 cm
<b>Colour shade</b>	white with yellow markings



## Intermediate coat

### StoPrep Miral

Filled, pigmented, silicate undercoat



#### Area of application




exterior, on mineral substrates, for finishing renders with Lotus-Effect® Technology, silicone resin, silicate, or mineral finishing render

#### Properties

on a silicate base, organic content < 5 %, adhesion-promoting, absorbency-regulating, CO<sub>2</sub> and water vapour permeable, pigmented

#### Notes

StoPrep Miral is not a finishing coat

<b>Approx. consumption</b>	0.30 - 0.40 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Finishing coat

### StoLotusan® K/MP

Finishing render with Lotus-Effect® Technology



#### Area of application

exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions




#### Properties

render in accordance with EN 15824, Lotus-Effect® Technology: dirt runs off with the rain, strongly supported self-cleaning effect when exposed to rain, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, excellent application, very high CO<sub>2</sub> and water vapour permeability, very highly weather-resistant, with high-quality marble grains made of natural deposits

#### Notes

if the selected colour shade has a light reflectance value ≥ 20, no additional finishing coat is necessary



<b>Approx. consumption</b>	K 1.0	1.90 kg/m <sup>2</sup>
	K 1.5	2.40 kg/m <sup>2</sup>
	K 2.0	3.20 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>	 	

### StoSilco® K/R/MP

Silicone resin finishing render



#### Area of application




exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, genuine silicone resin render for reliable application and long-lasting facades, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, very high CO<sub>2</sub> and water vapour permeability, highly weather-resistant, hydrophobic capillary effect, highly water-repellent, water-dilutable, with high-quality marble grains made of natural deposits

#### Notes

light reflectance value ≥ 15 possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	2.00 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>	 	



## Stolit® K/R/MP

Organic finishing render



### Area of application



exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

### Properties

render in accordance with EN 15824, maximum reliability with regard to application, value retention, colour shade, and stability, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, shockproof and highly resistant to cracks and hail when combined with StoTherm Classic®, highly permeable to water vapour, highly water-repellent, weather-resistant, water-dilutable, with high-quality marble grains made of natural deposits

### Notes

light reflectance value  $\geq 15$  possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	1.80 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	K 6.0	6.00 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
	R 6.0	5.60 kg/m <sup>2</sup>
MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture	
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		

## StoAdditiv WE

Water-based drying accelerator



### Area of application

exterior, use only in the finishing renders Stolit® and StoSilco® K/R/MP (not in products with QuickSet Technology)

### Properties

drying is promoted at temperatures of  $\geq +7$  °C, solvent-free

### Notes

Mix the additive with the finishing render directly before application., Apply the finishing render promptly after adding the additive.

<b>Format</b>	bottle: 500 ml (from 2020) bottle: 250 ml (only available until approx. Q1 / 2020)
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## StoMiral® K/R/MP

Mineral finishing render in accordance with EN 998-1


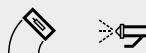


### Area of application

exterior and interior, modified finishing plaster in accordance with EN 998-1, ideally suitable for Sto facade insulation systems with mineral base coats

### Properties

very high CO<sub>2</sub> and water vapour permeability, weather-resistant, hydrophobic, with high-quality marble grains made of natural deposits

<b>Approx. consumption</b>	K 1.0	1.60 kg/m <sup>2</sup>
	K 1.5	1.80 kg/m <sup>2</sup>
	K 2.0	2.40 kg/m <sup>2</sup>
	K 3.0	2.70 kg/m <sup>2</sup>
	grain 4-6	5.20 kg/m <sup>2</sup>
	R 1.5	1.80 kg/m <sup>2</sup>
	R 2.0	2.40 kg/m <sup>2</sup>
	R 3.0	2.80 kg/m <sup>2</sup>
	R 6.0	6.20 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
	<b>Appearance</b>	optimised texture as stippled (K), rilled (R), or freestyle textured render (MP)
<b>Colour shade</b>	white 	
<b>Application</b>		



## StoColor Silco G

Genuine silicone resin facade paint, with increased encapsulated film protection, especially fail-proof







### Area of application

exterior, on mineral and organic substrates

### Properties

texture-retaining, genuine silicone resin paint (approx. 50 % of the total binding agent content) in accordance with the French standard FD T30-808, very good hiding power, highly water-repellent, with increased encapsulated film protection, maximum resistance to soiling, highly permeable to CO<sub>2</sub> and water vapour, low-tension, even drying, robust

<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	  

## Facade claddings

### StoVentec Glass

Panel for ventilated rainscreen cladding system, prefabricated ex works



### Area of application

exterior, interior, factory-produced panels are inserted into the sub-construction on the construction site, on walls, on ceilings

### Properties

tempered safety glass: 6 mm, 8 mm, rear side: colour enamelled, bonding: full-surface to a 20 mm carrier board made of expanded glass granulate, crosslinking of the adhesive: neutral, screw connection: on the rear side with board carrier profiles, weight: approx. 30 kg/m<sup>2</sup>, panel thickness without board carrier profile: 30 mm, panel thickness tolerance at a glass thickness of 6 mm: +0 mm to -2 mm, tempered safety glass: optionally with or without heat soak test, reaction to fire: class B-s1, d0 in accordance with EN 13501-1

### Notes

type of application: rear ventilated, external wall cladding in accordance with DIN 18516-1, installation: in accordance with the structural analysis with approved fixings, Unevenness, tempered safety glass: the thermal tempering process may cause general and local warping in accordance with EN 12150-1., approved dimensions, tolerance: in accordance with EN 12150-1 and EN 14179

<b>Format</b>	maximum width x height, dimensions in m: standing: 1.25 x 2.6 / 1.5 x 3.75 / 1.25 x 4.5 / 2.5 x 2.6 lying: 2.6 x 1.25 / 3.75 x 1.5 minimum edge length: 10 cm, and minimum length of the larger edge: 30 cm
<b>Appearance</b>	high-quality glass surface no visible fixing high colour shade variety no limitation to the light reflectance value float glass or low-iron float glass

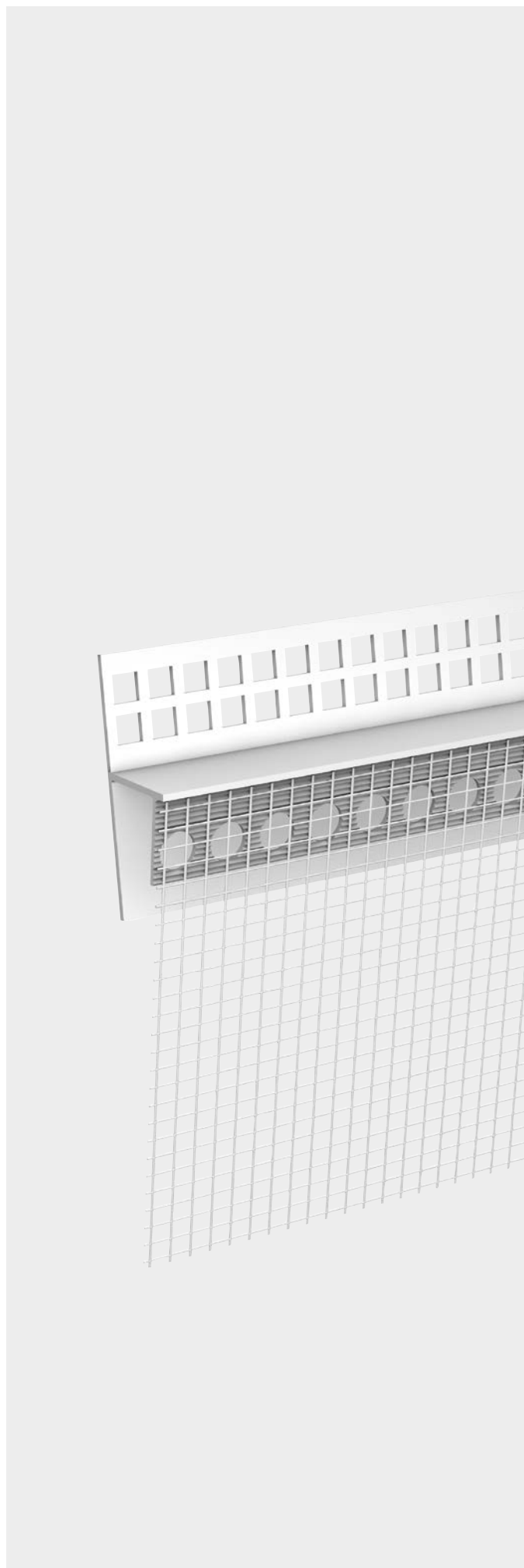


# Accessories

**79 Profiles**

**80 Joint formation, filling compounds**

**80 Supplementary products**







### Sto-Edge Protection Profile G

Protective profile for the outer edges of the render carrier board



**Area of application**

exterior, for vertical and lower horizontal outer edges of the carrier board in the window and plinth area

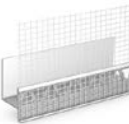
**Properties**

made of plastic, PVC, with a perforated wing and integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

### Sto-Edge Protection Profile GT-R

Edge protection profile with drip edge for render carrier boards



**Area of application**

exterior, for the lower outer edges of the render carrier board

**Properties**

made of plastic, PVC, with wing, with integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm drip edge: 3 mm, 6 mm
<b>Colour shade</b>	white

### Sto-Edge Protection Profile GF

Edge protection profile for joint formation with StoVentec Carrier Boards in the StoVentec R system



**Area of application**

exterior, for the formation of horizontal and vertical field demarcation joints

**Properties**

made of plastic, PVC, with a wing and integrated glass fibre mesh, improved protection from driving rain on field demarcation joints due to the overlapping profile wing for installation in combination with the Sto-Edge Protection Profile GT

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white, coating possible in accordance with the specifications of the system manufacturer

### Sto-Edge Protection Profile GT

Edge protection profile with a drip edge for StoVentec Carrier Boards in the StoVentec R system



**Area of application**

exterior, for the lower outer edges of the carrier boards, in combination with the Sto-Edge Protection Profile GF for the formation of field demarcation joints

**Properties**

made of plastic, PVC, with a wing and integrated glass fibre mesh, with ventilation openings in the undersides of the profile bottoms

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white, coating possible in accordance with the specifications of the system manufacturer

### Sto-Ventilation Profile

Stop and ventilation profile for protecting the back ventilation from pests



**Area of application**

for ventilation openings in the plinth and window lintel area on buildings with ventilated rainscreen cladding facades, for ensuring system ventilation and protection from small animals

**Properties**

made of aluminium

**Notes**

bonding: e.g. with Soudal Fix All Flexi or Sto-Stone Paste

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm

### Sto-Rain Guard Profile G

Stop profile with drip edge



**Area of application**

exterior, Stop profile with drip edge, for the top junction of the StoVentec facade in parapet areas and under the window sill

**Properties**

made of plastic, PVC, with a perforated wing and integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm



## Sto-Roof Vent Profile G

Connection profile for roof ventilation



### Area of application

exterior, as an edge protection profile, for roof ventilation, for the top junction of the StoVentec Facade in parapet areas, under the window sill and around the window lintel

### Properties

made of plastic, PVC, with a perforated wing and integrated glass fibre mesh

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	white

## Joint formation, filling compounds

### Sto-Joint Sealing Tape Lento

Compressed sealing tape made of impregnated flexible foam



### Area of application

for waterproofing connections between facade insulation systems and adjacent building elements, the slow expansion makes it particularly suitable for creating complex connections (e.g. for window sills), for the following joint widths (internal width plus movement capability): 2-6 mm, 3-9 mm, 5-12 mm, and 9-18 mm

### Properties

resistant to driving rain, fully impregnated, slowly expanding, self-adhesive

### Notes

resistance to driving rain is only assured if the joint width is within the area of application (e.g. 2-6 mm)

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width of the tape / joint width: 15 mm / 2-6 mm 15 mm / 3-9 mm 15 mm / 5-12 mm 25 mm / 9-18 mm
<b>Colour shade</b>	anthracite

### Sto-Joint Sealing Tape 2D

Compressed joint sealing tape made of impregnated flexible foam



### Area of application

for waterproofing connections to adjacent building elements on facade insulation systems, for the following joint widths (internal width plus movement capability): 2-6 mm and 5-12 mm, not suitable for joints and connections with large movements (e.g. structural expansion joints), for timber frame construction we recommend Sto-Joint Sealing Tape Lento

### Properties

resistant to driving rain, impregnated on the sides, rapidly expanding, self-adhesive

### Notes

resistance to driving rain is only assured if the joint width is within the area of application (e.g. 2-6 mm)

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width of the tape / joint width: 15 mm / 2-6 mm 15 mm / 5-12 mm
<b>Colour shade</b>	anthracite

## Supplementary products

### Sto-Fire Barrier Profile

Profile to create a horizontal fire barrier



### Area of application

exterior, for forming horizontal fire barriers in the ventilation airspace of ventilated rainscreen cladding systems, as well as for preventing fire flash-over in the ventilation airspace, in the area of the joints between the vertical carrier profiles

### Properties

made of hot-dipped galvanised steel: DX51D+Z275, material no. 1.0917 in accordance with EN 10346, corrosion-protected, non-combustible

### Notes

select projection depending on the ventilation airspace

<b>Format</b>	material thickness: 1.0 mm available projections, dimensions in mm: 80, 120, 160, 200, 240, 280 others projections on request
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# Refurbishment and protection systems

## 82 EWIS refurbishment

82 StoReno

## 88 Crack repair

88 Refurbishment with facade paints

91 Refurbishment with render coatings

## 94 Waterproofing of buildings

94 Vertical waterproofing



**Multiple dwelling, Cologne, DE**  
Photo: Guido Erbring, Cologne, DE

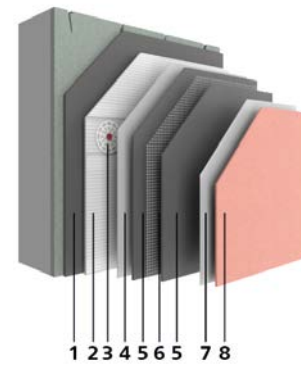


# StoReno

## Renovation system for external wall insulation systems and rendered facades

### System advantages

- no costly demolition measures
- slim build-up (approx. 15 mm)
- usually no need to replace the existing window sills or covers
- very high crack resistance
- highly weather-resistant
- permeable to water vapour and CO<sub>2</sub>



- 1 Bonding
- 2 Carrier boards
- 3 Fixing
- 4 Intermediate coat
- 5 Base coat
- 6 Reinforcement
- 7 Intermediate coat
- 8 Finishing coat

### Overview StoReno

<b>Area of application</b>	• for damaged render facades and external wall insulation systems in need of refurbishment
<b>Fixing</b>	• full-surface bonding and fixing with anchors
<b>Reaction to fire</b>	• class B-s1, d0 in accordance with EN 13501-1
<b>Impact resistance</b>	• highly resistant to mechanical stress
<b>Design options</b>	• organic and silicone resin renders as well as renders with Lotus-Effect® Technology in stippled render texture, rilled render texture, and free-style textured renders
<b>Colour spectrum</b>	• tintable in accordance with the StoColor System • light reflectance value $\geq 20\%$ ( $< 20\%$ possible on request)
<b>Application</b>	• ready-to-use system components • efficient application through use of StoSilo technology • complete selection of detail solutions
<b>Notes</b>	• observe the current German Energy Savings Regulation (EnEV)
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## System description of StoReno

<b>Fixing</b>	Full-surface bonding and fixing with anchors
<b>Substrate</b>	at least suitable for bonding
<b>Bonding</b>	<b>StoColl KM</b> or <b>StoLevell Uni</b>
<b>Carrier boards</b>	<b>StoReno Plan 1200 x 800 x 8 mm</b>
<b>Fixing</b>	<b>StoReno Dowel Head Ø 90 mm</b> and <b>Sto-Screw Dowel UEZ 8</b>
<b>Base coat</b>	<b>StoArmat Classic plus M</b>
<b>Reinforcement</b>	<b>Sto-Glass Fibre Mesh</b>
<b>Finish</b> refer to chapter: Facade coatings · Finishing renders	<b>Stolit® K/R/MP</b> or <b>StoSilco® K/R/MP</b> or <b>StoLotusan® K/MP</b>

## Bonding

### StoLevell Uni

Mineral bonding and reinforcing mortar/base coat



#### Area of application

exterior and interior, for reworking old mineral renders and nearly all old organic renders or masonry, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, for thin-layer reinforcing coats, as adhesive and reinforcing compound for StoTherm Vario, StoTherm Mineral and StoTherm Reno

#### Properties

very good application properties, very high adhesive strength and adhesion to substrate, very highly permeable to water vapour, very highly water-repellent, very highly weather-resistant

#### Notes

natureplus®-certified as part of an insulation system, quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	4.00 - 7.00 kg/m <sup>2</sup> bonding 4.00 - 5.00 kg/m <sup>2</sup> reinforcement 1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	

### StoColl KM

Mineral, flexible grout for brick slips, ceramic, natural stone tiles, and glass mosaic



#### Area of application

exterior and interior, as a grout (flexible adhesive) for suitable brick slips, ceramic and natural stone tiles, and glass mosaic, for bonding StoPanel Plus, on StoLevell Uni mineral reinforcing mortar, on organic reinforcing mortar with intermediate coat (StoPrep Contact)

#### Properties

excellent adhesive bond, resistant to frost and weathering, optimum non-sag properties, meets C1TE requirements in accordance with EN 12004

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> bonding 1.20 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	grey, white
<b>Application</b>	application to both surfaces (back-buttering method)



## Carrier boards

### StoReno Plan

Render carrier board made of expanded glass granulate with anchor plate recesses



**Area of application**

exterior and interior, as a render carrier board for damaged render facades and external wall insulation systems in need of refurbishment

**Properties**

mesh-reinforced on both sides, with pressed-in anchor plate recesses, limited combustibility, shock-proof

<b>Approx. consumption</b>	1200 x 800 mm	1.04 pcs./m <sup>2</sup>
<b>Format</b>	1200 x 800 x 8 mm	
<b>Application</b>	workable with all commercially available tools (knife, saw, etc.)	

## Fixing

### StoReno Anchor Plate Enlarger

Anchor plate enlarger for Sto-Screw-In Anchor S UEZ 8



**Area of application**

exterior, as fixing element in combination with Sto-Screw-In Anchor S UEZ 8 for StoReno Plan

<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	ø 90 mm

### Sto-Screw-In Anchor S UEZ 8

Rail fixing with European Technical Approval



**Area of application**

exterior, for concrete, solid building materials, perforated building materials, no-fines lightweight concrete, cellular concrete, use categories: A, B, C D, E

**Notes**

European Technical Approval ETA-04/0023, suitable for the StoReno system in combination with the StoReno Anchor Plate Enlarger

<b>Format</b>	thread diameter of screw: 8 mm
<b>Colour shade</b>	white
<b>Application</b>	concrete, solid building materials, perforated building materials,, no-fines lightweight concrete: drill-hole depth ≥ 35 mm, anchorage, depth ≥ 25 mm, cellular concrete: drill-hole depth ≥ 75 mm, anchorage depth ≥ 65 mm, in the load-bearing substrate

## Base coat

### StoArmat Classic plus F/M/G

Organic, cement-free reinforcing compound/base coat



**Area of application**

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

**Properties**

cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

**Notes**

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic plus QS F/M/G

Organic, cement-free reinforcing compound/base coat with early rainproofing properties



**Area of application**

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

**Properties**

early rainproofing with QuickSet Technology, cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

**Notes**

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	



## Reinforcement

### Sto-Glass Fibre Mesh

Alkali-resistant reinforcing mesh



#### Area of application

exterior and interior, as a reinforcing mesh, all-purpose

#### Properties

optimised absorption of forces for the ultimate in reliability and crack prevention, high tensile strength, fibres resistant to dislocation, alkali-resistant, plasticiser-free, mass per unit area: approx. 165 g/m<sup>2</sup>, tear resistance on delivery: ≥ 1750 N/50 mm

<b>Approx. consumption</b>	1.00 m/m <sup>2</sup> with an overlap of 10 cm
<b>Format</b>	mesh width: 6 x 6 mm roll width: 110 cm
<b>Colour shade</b>	white with yellow markings

## Intermediate coat

### Sto-Primer

Filled, pigmented, organic undercoat



#### Area of application



exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

#### Properties

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

#### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Finishing coat

### StoLotusan® K/MP

Finishing render with Lotus-Effect® Technology



#### Area of application

exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions




#### Properties

render in accordance with EN 15824, Lotus-Effect® Technology: dirt runs off with the rain, strongly supported self-cleaning effect when exposed to rain, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, excellent application, very high CO<sub>2</sub> and water vapour permeability, very highly weather-resistant, with high-quality marble grains made of natural deposits

#### Notes

if the selected colour shade has a light reflectance value ≥ 20, no additional finishing coat is necessary



<b>Approx. consumption</b>	K 1.0	1.90 kg/m <sup>2</sup>
	K 1.5	2.40 kg/m <sup>2</sup>
	K 2.0	3.20 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>	 	





### StoSilco® K/R/MP

Silicone resin finishing render



#### Area of application



exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, genuine silicone resin render for reliable application and long-lasting facades, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, very high CO<sub>2</sub> and water vapour permeability, highly weather-resistant, hydrophobic capillary effect, highly water-repellent, water-dilutable, with high-quality marble grains made of natural deposits

#### Notes

light reflectance value ≥ 15 possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	2.00 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
<b>Appearance</b>	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		

### Stolit® K/R/MP

Organic finishing render



#### Area of application



exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, maximum reliability with regard to application, value retention, colour shade, and stability, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, shockproof and highly resistant to cracks and hail when combined with StoTherm Classic®, highly permeable to water vapour, highly water-repellent, weather-resistant, water-dilutable, with high-quality marble grains made of natural deposits

#### Notes

light reflectance value ≥ 15 possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	1.80 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	K 6.0	6.00 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
	R 6.0	5.60 kg/m <sup>2</sup>
	<b>Appearance</b>	MP
as stippled (K), rilled (R), or freestyle textured render (MP)		
<b>Colour shade</b>	white 	
<b>Application</b>		

### StoColor Lotusan® G

Facade paint with Lotus-Effect® Technology, with encapsulated film protection





#### Area of application

exterior, for paint coats with reduced adhesion of dirt particles on mineral and organic substrates

#### Properties

texture-retaining, very high CO<sub>2</sub> and water vapour permeability, reduced wettability with water, Lotus-Effect® Technology: reduced adhesion of dirt particles and self-cleaning when exposed to rain, dirt runs off with the rain, natural protection thanks to the Lotus-Effect and encapsulated film protection, low-tension



<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat	
<b>Appearance</b>	matt	
<b>Colour shade</b>	white 	
<b>Application</b>		





## StoColor Silco G

Genuine silicone resin facade paint, with increased encapsulated film protection, especially fail-proof







### Area of application

exterior, on mineral and organic substrates

### Properties

texture-retaining, genuine silicone resin paint (approx. 50 % of the total binding agent content) in accordance with the French standard FD T30-808, very good hiding power, highly water-repellent, with increased encapsulated film protection, maximum resistance to soiling, highly permeable to CO<sub>2</sub> and water vapour, low-tension, even drying, robust

<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	  

## Accessories

### StoAdditiv WE

Water-based drying accelerator



### Area of application

exterior, use only in the finishing renders Stolit® and StoSilco® K/R/MP (not in products with QuickSet Technology)

### Properties

drying is promoted at temperatures of ≥ +7 °C, solvent-free

### Notes

Mix the additive with the finishing render directly before application., Apply the finishing render promptly after adding the additive.

<b>Format</b>	bottle: 500 ml (from 2020) bottle: 250 ml (only available until approx. Q1 / 2020)
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### StoReno Joint Sealing Tape

Compressed sealing tape made of impregnated flexible foam



### Area of application

for waterproofing connections in the StoReno renovation system, to fit StoReno Plan, for joint widths of 3-6 mm, not suitable for joints and connections with large movements (e.g. structural expansion joints)

### Properties

resistant to driving rain, fully impregnated, slowly expanding, self-adhesive

### Notes

stress group BG 1 in accordance with DIN 18542, Resistance to driving rain in accordance with DIN 18542, stress group BG 1, is only assured if the joint width is within the area of application (3-6 mm).

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width of the tape / joint width: 10 mm / 3-6 mm
<b>Colour shade</b>	anthracite

### StoReno Edge Protection Profile

Protection profile for the outer edges of the StoReno Plan render carrier board



### Area of application

as edge protection, to fit StoReno Plan 8 mm

### Properties

edge protection profile with integrated glass fibre mesh, profile material: polyvinyl chloride (PVC)

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm mesh width: 125 mm
<b>Colour shade</b>	white



# Sto-Crack Repair System with Facade Paints

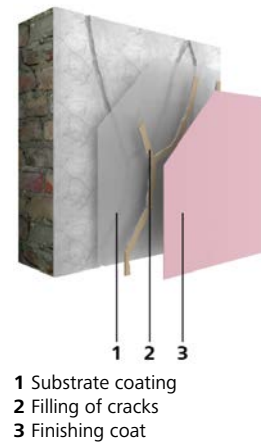
## Paint coating system for cracked substrates

### System advantages

- highly effective at crack bridging or crack prevention
- matched system components
- water-repellent

### Overview Sto-Crack Repair System with Facade Paints

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• for cracks in the render and the substrate</li> <li>• not suitable for structural cracks or those due to the construction</li> <li>• limited suitability for repairing cracks in old external wall insulation systems</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• tintable in accordance with the StoColor System</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• produce a load-bearing substrate before applying the coatings</li> <li>• depending on the type of crack, mesh reinforcement is required</li> </ul>
<b>Approvals/standards</b>	tested in accordance with EN 1062-7 and Sto SE & Co. KGaA internal test specifications



### Crack repair of paintwork in accordance with EN 1062-7 classification and Sto test results

Crack movement	No movement	Crack movement up to 0.1 mm	Crack movement up to 0.25 mm	Crack movement up to 0.5 mm
Substrate coating	StoPrim Micro			
Filling of cracks				Sto-Rissfüller
First intermediate coat	StoColor Fibrasil <sup>1)</sup>	StoColor Silco Elast	StoColor Silco Elast	StoColor Lastic <sup>2)</sup>
Second intermediate coat			StoColor Silco Elast	
Finish	StoColor Fibrasil <sup>1)</sup>	StoColor Silco Elast	StoColor Silco Elast	StoColor Lastic
Class EN 1062-7 for a roughness depth crack width (in mm)/ V-expansion (mm/min)	none up to 0.1 mm none	A1 up to 0.1 mm none	A2 up to 0.25 mm 0.05	A3 up to 0,5 mm 0.05

<sup>1)</sup> alternatively StoColor Silco Fill, StoColor S <sup>2)</sup> with StoLastic Mesh RF if necessary



## Priming coat

### StoPrim Micro

Deep priming concentrate with low solvent content on a silicone microemulsion base



**Area of application**



exterior, for mineral substrates, as a hydrophobic primer

**Properties**

consolidates mineral substrates, highly hydrophobic siloxane concentrate, the water-based emulsion has a high penetration capacity, absorbency-regulating, adhesion-promoting

**Notes**

not suitable on gypsum-containing substrates, This is a concentrate! when applying, dilute the primer 1:10 with water, protect sensitive areas (glass, marble, varnished surfaces or those to be varnished, etc.)

<b>Approx. consumption</b>	0.01 - 0.05 l/m <sup>2</sup> per coat as a primer 0.02 - 0.10 l/m <sup>2</sup> per coat as a hydrophobic agent
<b>Colour shade</b>	farblos
<b>Application</b>	  1:10 water-dilutable as a primer, 1:4 water-dilutable as a hydrophobic agent

### StoPrim Sol GT

Siliconate-reinforced hydrosol silicate primer with gel technology






**Area of application**

exterior and interior, on absorbent, mineral, and organic substrates and coatings, for consolidating chalky but load-bearing existing paint coats and crumbling renders, for reducing the absorption capacity of gypsum plasterboards, porous and absorbent substrates, e.g. plasters, renders, unfired masonry or cellular concrete, highly suitable underneath all StoColor facade and interior paints, ideal underneath Lotus-Effect®, sol silicate, and silicone resin emulsion paints

**Properties**

water-based, non-drip, hydrosol silicate, deep-acting priming cream, low tendency to dripping, even when working overhead, minimised emissions, solvent-free, plasticiser-free, regulates the absorption capacity and strengthens the substrate, siliconate-reinforced for increased water resistance, silicifying on mineral substrates



<b>Approx. consumption</b>	0.10 - 0.20 l/m <sup>2</sup> per paint coat, on a weakly absorbent substrate 0.20 - 0.30 l/m <sup>2</sup> per paint coat, on an absorbent substrate 0.30 - 0.60 l/m <sup>2</sup> per paint coat, on a highly absorbent substrate
<b>Colour shade</b>	farblos
<b>Application</b>	  

## Filling of cracks

### Sto-Crack Filler fine

Filling compound on a dispersion base



**Area of application**

exterior, for crack filling as part of the Sto crack repair systems, for organic, mineral, and coated substrates

**Properties**

ready-to-use, elastic crack filler with extremely minimal post-contraction characteristics

<b>Colour shade</b>	natural white
<b>Application</b>	easy to apply

## Finishing coat

### StoColor Fibrasil

Facade paint for reliably bridging shrinkage and hairline cracks, fibre-filled, texture-imparting



**Area of application**


exterior, for bridging and filling hairline and shrinkage cracks of up to 0.1 mm width, for covering paint coats on mineral and organic substrates

**Properties**

very good hiding power, highly water-repellent, water vapour permeable, alkali-resistant, fibre-reinforced

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.20 - 0.30 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	 



### StoColor Silco Elast

Facade paint on a silicone resin base



**Area of application**

exterior, for crack-bridging coatings on facades with cracks up to max. 0.2 mm, for organic and mineral substrates

**Properties**

very good hiding power, very highly water-repellent, water vapour permeable, elastic

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.30 - 0.50 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	 

### StoColor Lastic

Facade paint on a emulsion base, cold-elastic



**Area of application**


exterior, as an intermediate coat and finishing coat in the Sto crack repair system for cracks with a max. width of 1.0 mm

**Properties**

UV-crosslinking, highly elastic, very high resistance to soiling for such a highly elastic facade paint, very good hiding power, very highly water-repellent, water vapour permeable, cold-elastic

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.40 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	silk matt
<b>Colour shade</b>	white 
<b>Application</b>	 

### Accessories

#### StoLastic Mesh RF

Reinforcing mesh for crack repair



**Area of application**

for bridging and repairing cracks as part of Sto crack repair systems for paintwork

**Properties**

perfectly supplements and supports StoColor Lastic and StoColor Poro Fill

<b>Approx. consumption</b>	1.10 m/m <sup>2</sup> with an overlap of 10 cm
<b>Format</b>	width: 100 cm
<b>Application</b>	must overlap when embedding

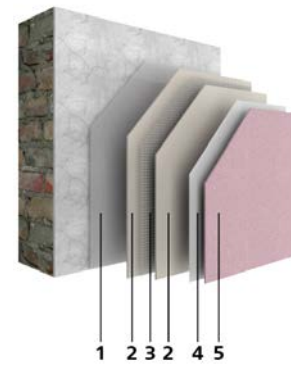


# Sto-Crack Repair System with Render Coating

## Render coating system for cracked substrates

### System advantages

- highly effective at crack bridging or crack prevention
- matched system components
- in accordance with WTA and/or BFS Recommendation



- 1 Priming coat
- 2 Base coat
- 3 Reinforcement
- 4 Intermediate coat
- 5 Finishing coat

### Overview Sto-Crack Repair System with Render Coating

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• for cracks in the render and the substrate</li> <li>• not suitable for structural cracks or those due to the construction</li> <li>• limited suitability for repairing cracks in old external wall insulation systems</li> </ul>
<b>Colour spectrum</b>	• project-dependent, in accordance with the StoColor System
<b>Application</b>	<ul style="list-style-type: none"> <li>• produce a load-bearing substrate before applying the coatings</li> <li>• depending on the type of crack, mesh reinforcement is required</li> </ul>
<b>Approvals/standards</b>	based on EN 1062-7 and in accordance with Sto SE & Co. KGaA internal test specifications

### Crack repair with render

Bridging of cracks class in line with EN 1062-7	Minimum 0.1 mm A1 (23 °C)	Minimum 0.25 mm A2 (23 °C)	Minimum 0.5 mm A3 (23 °C)	More than 0.5 mm
substrate preparations, priming coats, and detail solutions are always project-specific				
<b>System</b>	mineral-organic render system	organic render systems		
<b>Base coat</b>	<b>StoLevell Reno</b> [6.5 kg/m <sup>2</sup> ]	<b>StoArmat Classic plus F/M/G</b> [≥ 4 kg/m <sup>2</sup> ]		
<b>Reinforcement</b>	<b>Sto-Glass Fibre Mesh</b>	<b>Sto-Glass Fibre Mesh</b>		
<b>Intermediate coat</b>	<b>Sto-Primer</b>	optional <b>Sto-Primer</b>		
<b>Finish/system solution</b>	<b>Stolit® K/R/MP</b>	<b>Stolit® K/R/MP</b>		StoTherm System, also doubling-up of existing EWIS
<b>Increased surface requirement</b>	facade paints depending on project requirements			



## Priming coat

### Stoplex W

Water-based, siloxane-modified all-purpose primer on an acrylate base



#### Area of application

exterior, on mineral and organic substrates, on weathered, load-bearing, existing coatings, for consolidating chalky but load-bearing existing paint coats and crumbling renders, for reducing the absorption capacity of new or weathered renders and similar building materials

#### Properties

surface-consolidating, siloxane-modified, highly water-repellent, high penetration capacity, absorbency-regulating, adhesion-promoting, water-dilutable

#### Notes

dilute primer with water if necessary, so that it does not dry glossy

<b>Approx. consumption</b>	0.10 - 0.40 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	transparent, slightly yellowish
<b>Colour shade</b>	yellowish pigmentation
<b>Application</b>	

## Base coat

### StoArmat Classic plus F/M/G

Organic, cement-free reinforcing compound/base coat



#### Area of application

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoArmat Classic plus QS F/M/G

Organic, cement-free reinforcing compound/base coat with early rainproofing properties



#### Area of application

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

early rainproofing with QuickSet Technology, cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### StoLevell Reno

Mineral, float-finishable, fibre-reinforced filler, organically modified



#### Area of application

exterior and interior, renovation mortar for the refurbishment and overcoating of mineral and almost all organic substrates, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, can be used as a universal bonding agent

#### Properties

fibre-reinforced, good adhesion to substrate, crack-bridging if embedded mesh is used, hydrophobic, float-finishable, water vapour permeable, resistant to frost and weathering

#### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	



## Reinforcement

### Sto-Glass Fibre Mesh

Alkali-resistant reinforcing mesh



#### Area of application

exterior and interior, as a reinforcing mesh, all-purpose

#### Properties

optimised absorption of forces for the ultimate in reliability and crack prevention, high tensile strength, fibres resistant to dislocation, alkali-resistant, plasticiser-free, mass per unit area: approx. 165 g/m<sup>2</sup>, tear resistance on delivery: ≥ 1750 N/50 mm

<b>Approx. consumption</b>	1.00 m <sup>2</sup> with an overlap of 10 cm
<b>Format</b>	mesh width: 6 x 6 mm roll width: 110 cm
<b>Colour shade</b>	white with yellow markings

## Intermediate coat

### Sto-Primer

Filled, pigmented, organic undercoat



#### Area of application




exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

#### Properties

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

#### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Finishing coat

### Stolit® K/R/MP

Organic finishing render



#### Area of application




exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, maximum reliability with regard to application, value retention, colour shade, and stability, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, shockproof and highly resistant to cracks and hail when combined with StoTherm Classic®, highly permeable to water vapour, highly water-repellent, weather-resistant, water-dilutable, with high-quality marble grains made of natural deposits

#### Notes

light reflectance value ≥ 15 possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	1.80 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	K 6.0	6.00 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
	R 6.0	5.60 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>	 	



## Accessories

### StoAdditiv WE

Water-based drying accelerator



**Area of application**

exterior, use only in the finishing renders Stolit® and StoSilco® K/R/MP (not in products with QuickSet Technology)

**Properties**

drying is promoted at temperatures of  $\geq +7$  °C, solvent-free

**Notes**

Mix the additive with the finishing render directly before application., Apply the finishing render promptly after adding the additive.

<b>Format</b>	bottle: 500 ml (from 2020) bottle: 250 ml (only available until approx. Q1 / 2020)
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## Filler and levelling coat

### StoGold Fill

Filler on a dispersion base for filling and smoothing water-repellent and airtight joints in connection with StoGuard Mesh



**Area of application**

exterior, for filling and smoothing of water-repellent and airtight joints in connection with StoGuard Mesh, e.g. joints, corners, transitions, maximum joint width: 0.8 mm

**Properties**

flexible, water-repellent, airtight

<b>Colour shade</b>	natural
<b>Application</b>	

## Mesh

### StoGuard Mesh

Self-adhesive, flexible reinforcing mesh



**Area of application**

to produce a second waterproofing layer underneath window sills in combination with StoFlexyl

**Properties**

alkali-resistant, plasticiser-free, self-adhesive, flexible, good adaptation to the substrate

<b>Approx. consumption</b>	1 m/m
<b>Format</b>	mesh width: 4 x 4 mm width: 100, 250 mm
<b>Colour shade</b>	white

## Waterproofing

### StoGold Coat®

Waterproofing on a dispersion base, water-repellent, and airtight



**Area of application**

exterior, waterproofing for all facade coatings, as moisture protection under an EWIS

**Properties**

UV-resistant, ageing-resistant, capillary-breaking, diffusion-open, airtight, enables building moisture to dry

**Notes**

connections: see construction details, StoGold Coat® may not be directly plastered., only apply one of the following adhesives onto StoGold Coat®: Sto-ADH-B, Sto-Dispersion Adhesive, StoLevell Uni, Sto-Turbofix

<b>Approx. consumption</b>	0.40 - 0.60 l/m <sup>2</sup> per paint coat
<b>Application</b>	





# Facade coatings

96 Disinfectants

96 Hydrophobic agents

97 Priming coats

101 Fillers

103 Base coats

104 Finishing renders

113 Facade paints

122 Tinting concentrates

123 Effect aggregates





## StoPrim Fungal

Water-based disinfectant solution for pre-treating surfaces subject to algae and fungal attack



### Area of application




exterior, interior, for disinfecting areas under algal and/or fungal attack

### Properties

disinfectant, highly effective against algae and fungal attack

### Notes

ready-to-use, do not dilute, active ingredients are water-soluble and degradable - we recommend applying a finishing coat, Use biocidal products with care. Always read the label and product information before use.

<b>Approx. consumption</b>	0.60 l/m <sup>2</sup> at least twice on an absorbent substrate 0.30 l/m <sup>2</sup> at least twice on a non-absorbent substrate
<b>Appearance</b>	transparent
<b>Application</b>	  

## Hydrophobic agents

### StoSilco HC

Impregnating hydrophobing cream with low solvent content on a silane-siloxane base



### Area of application


exterior, for the impregnation and hydrophobisation of mineral, alkaline substrates

### Properties

highly hydrophobic, good depth of penetration, high active agent content (silane and siloxane) of 80 %

### Notes

create sample surfaces, protect sensitive surfaces, e.g. glass, marble, varnished surfaces and those to be varnished

<b>Approx. consumption</b>	0.20 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	transparent after drying
<b>Colour shade</b>	white
<b>Application</b>	



## Overview of substrate preparation

Product	Product properties						Project			
	Basis	Pigmented	Filled	Hydrophobic	Penetration capacity	Adhesion-promoting	Absorbency-regulating	Surface-consolidating	Isolating	Surface-disinfecting
<b>StoPrim Fungal</b>	water-based				■					■ ■
<b>StoSilco HC</b>	emulsion			■ ■	■ ■		■ ■			
<b>StoPrim Micro</b>	emulsion			■ ■	■ ■	■	■	■		
<b>Stoplex W</b>	water-based			□	■	■	■	■		
<b>StoPrim Plex</b>	water-based				■	■	■	■		
<b>StoPrim Silicate</b>	water-based				■	■	■	■		
<b>Sto-Primer</b>	water-based	■ ■	■			■	■ ■			
<b>StoPrep Isol Q</b>	water-based	□	■			■	■ ■		■	
<b>StoPrep Miral</b>	water-based	■	■			■			□	
<b>StoPrim LP</b>	solvent-containing	■				■	■ ■		■	
<b>StoPrim LQ</b>	solvent-containing	■	■			■	■ ■		■	
<b>StoPrep Contact</b>	water-based	□	■			■ ■	□			
<b>StoPrim Active</b>	solvent-containing 2K	■				■ ■			■	

1) subject to the applied quantity and substrate

- ■ excellent
- good
- to a limited extent



## Substrates

Product	Concrete	Lime paint/ lime render	Lime/ cement render	Calcium silicate masonry unit	Cellular concrete	Sandstone	Silicone resin emulsion paint/ render	Silicate emulsion paint/ render	Cement bonded wood particle board	Fibre cement slab
StoPrim Fungal	■	■	■	■	■	■	■	■	■	■
StoSilco HC	■ ■	□	■	□	□		□	□		
StoPrim Micro	■ ■	■	■ ■	■ ■	■ ■	■	□	■		
Stoplex W	■ ■	□	■ ■	■ ■	■ ■	□	■ ■	■		□
StoPrim Plex	■	□	■ ■	■ ■	■ ■	□	■ ■	■		□
StoPrim Silicate	□	□	■ ■	■ ■	■ ■	□	■	■ ■		
Sto-Primer	■		■ ■	■			■ ■	■		□
StoPrep Isol Q	■		■ ■	■	□		■ ■	□		□
StoPrep Miral			■ ■	■ ■	□		■	■		
StoPrim Isol							■	■	■	□
StoPrim LP			■	■			■		■	□
StoPrim LQ			■	■			■		■	□
StoPrep Contact	■ ■		■	■	□		■	□		■
StoPrim Active			□	□						■ ■

- ■ excellent
- good
- to a limited extent

## Deep-acting primers

### StoPrim Micro

Deep priming concentrate with low solvent content on a silicone microemulsion base



#### Area of application



exterior, for mineral substrates, as a hydrophobic primer

#### Properties

consolidates mineral substrates, highly hydrophobic siloxane concentrate, the water-based emulsion has a high penetration capacity, absorbency-regulating, adhesion-promoting

#### Notes

not suitable on gypsum-containing substrates, This is a concentrate! when applying, dilute the primer 1:10 with water, protect sensitive areas (glass, marble, varnished surfaces or those to be varnished, etc.)

<b>Approx. consumption</b>	0.01 - 0.05 l/m <sup>2</sup> per coat as a primer
	0.02 - 0.10 l/m <sup>2</sup> per coat as a hydrophobic agent
<b>Colour shade</b>	farblos
<b>Application</b>	  1:10 water-dilutable as a primer, 1:4 water-dilutable as a hydrophobic agent



### Stoplex W

Water-based, siloxane-modified all-purpose primer on an acrylate base



**Area of application**



exterior, on mineral and organic substrates, on weathered, load-bearing, existing coatings, for consolidating chalky but load-bearing existing paint coats and crumbling renders, for reducing the absorption capacity of new or weathered renders and similar building materials

**Properties**

surface-consolidating, siloxane-modified, highly water-repellent, high penetration capacity, absorbency-regulating, adhesion-promoting, water-dilutable

**Notes**

dilute primer with water if necessary, so that it does not dry glossy

<b>Approx. consumption</b>	0.10 - 0.40 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	transparent, slightly yellowish
<b>Colour shade</b>	yellowish pigmentation
<b>Application</b>	 

### StoPrim Plex

Water-based acrylate deep-acting primer, tested for harmful substances






**Area of application**

exterior and interior, on mineral and organic substrates and coatings

**Properties**

absorbency-regulating, surface-consolidating, adhesion-promoting, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.10 - 0.40 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	farblos
<b>Application</b>	  

### StoPrim Silikat

Water-based, silicate deep-acting primer



**Area of application**

exterior and interior, on mineral substrates, as a priming coat before subsequent emulsion silicate coatings

**Properties**

silicate deep-acting primer, water-dilutable, absorbency-regulating, surface-consolidating, adhesion-promoting, good penetration capacity

**Notes**

dilute primer with water if necessary, so that it does not dry glossy, protect sensitive areas, e.g. glass, marble, varnished surfaces or those to be varnished



<b>Approx. consumption</b>	0.15 - 0.60 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	farblos
<b>Application</b>	  

## Organic undercoats and intermediate paint coats

### Sto-Primer

Filled, pigmented, organic undercoat



**Area of application**

exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

**Properties**

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

**Notes**

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 



## StoPrep Isol Q

Water-based, stain-blocking, cationic primer



### Area of application

exterior, interior, especially suitable for organic finishing renders, silicone resin finishing renders, and dispersion silicate plasters, for insulating water-soluble ingredients, e.g. for gypsum plasterboards, particleboards, for coating products with QuickSet Technology on mineral substrates, for substrates with different absorption capacity, for alkaline substrates

### Properties

highly isolating, insulating for alkalinity-related stains and colour shade differences in the finish, insulating against nicotine stains, soot stains, water stains, insulating against discolouring of wood constituents, e.g. lignin in particleboards, gypsum plasterboards, very good adhesion, dries quickly due to a cationic binder, preserves early rainproofing QuickSet properties on new and mineral substrates, reduces substrate absorbency, adhesion-promoting



<b>Approx. consumption</b>	0.35 kg/m <sup>2</sup> paint brush, roller
	0.50 kg/m <sup>2</sup> as spray application
<b>Appearance</b>	filled
<b>Colour shade</b>	white
<b>Application</b>	 

## Silicate undercoats and intermediate paint coats

### StoPrep Miral

Filled, pigmented, silicate undercoat



### Area of application




exterior, on mineral substrates, for finishing renders with Lotus-Effect® Technology, silicone resin, silicate, or mineral finishing render

### Properties

on a silicate base, organic content < 5 %, adhesion-promoting, absorbency-regulating, CO<sub>2</sub> and water vapour permeable, pigmented

### Notes

StoPrep Miral is not a finishing coat

<b>Approx. consumption</b>	0.30 - 0.40 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Stain-blocking primers

### StoPrim LP

Solvent-containing, stain-blocking primer



### Area of application



exterior, isolates nicotine, soot, and water stains, as well as discolouring wood constituents (lignin), especially suitable for subsequent coatings with facade paints

### Properties

isolating undercoat for water-soluble marks, solvent-dilutable, pigmented (LP), aromatic content: < 0.5 %, absorbency-regulating, low-odour

### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	white pigmentation
<b>Colour shade</b>	white
<b>Application</b>	 

### StoPrim LQ

Solvent-containing, isolating, filled primer



### Area of application



exterior, isolates nicotine, soot, and water stains, as well as discolouring wood constituents (lignin), especially suitable for subsequent coatings with renders

### Properties

isolating undercoat for water-soluble marks, solvent-dilutable, pigmented, filled (LQ), aromatic content: < 1 %, absorbency-regulating, low-odour

### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.20 - 0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	white pigmentation filled
<b>Application</b>	 



## Adhesion primers

### StoPrep Contact

Bonding agent for smooth substrates



#### Area of application

exterior and interior, as a bonding agent for plasters and fillers on smooth, non-absorbent wall and ceiling areas, e.g. smooth concrete, wood particle boards, gypsum plasterboards, and ceramic tiles, suitable as a bonding agent for gypsum, lime, and lime-cement plaster

#### Properties

adhesion-promoting, filled, alkali-resistant

#### Notes

when using the product in exteriors, in wet interior areas, or when applying lime-cement renders on top, add 20 weight percent cement to the material, if applying with a 4 mm notched trowel, it is possible to add up to 35 weight percent cement to the material



<b>Approx. consumption</b>	0.20 - 0.40 kg/m <sup>2</sup> paint brush, roller 0.40 - 0.60 kg/m <sup>2</sup> as spray application 1.50 - 2.00 kg/m <sup>2</sup> with notched trowel (4 x 4)
<b>Appearance</b>	matt
<b>Colour shade</b>	white
<b>Application</b>	<p>can be mixed with cement CEM I 32.5, CEM I 52.5R, or StoFlexyl Cement</p>

### StoPrim Active

Two-component corrosion-proofing adhesion primer on an epoxy resin base



#### Area of application

exterior and interior, as an adhesion primer for e.g. glass-coated panels and fibre cement slabs, as protection against corrosion (exterior), metal, wood and engineered wood, powder lacquering

#### Properties

highly adhesion-promoting, very high level of protection against corrosion, two-component



<b>Approx. consumption</b>	0.08 - 0.10 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	silk gloss in accordance with EN 13300
<b>Colour shade</b>	white
<b>Application</b>	

## Organic fillers

### StoArmat Classic S1

Organic, cement-free reinforcing compound/base coat with large texturing grain, non-combustible in accordance with EN 13501, basalt-fibre-modified



#### Area of application

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic® S1, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

basalt-fibre-modified, cement-free, reaction to fire: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, reaction to fire in the StoTherm Classic® S1 system: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, mineral extenders, basalt-modified, very good application properties, highly reliable application thanks to additional large texturing grain, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 6.50 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	



## StoFlexyl

Organic filler for waterproofing and for protection from moisture




### Area of application

exterior, as a primer, as a bonding mortar, as a filler, as a reinforcing compound, as an undercoat, for protection from moisture

### Properties

provides protection against moisture in the plinth area and in the soil, good adhesion on bitumen substrates, highly versatile in use, sufficiently weather-resistant for use in plinth areas, crack extension: as reinforcement with mesh, approx. 2 %

<b>Approx. consumption</b>	3.90 kg/m <sup>2</sup> waterproofing (layer thickness $\geq$ 3.0 mm) 2.00 kg/m <sup>2</sup> bonding 0.50 kg/m <sup>2</sup> 2-fold slurry-applied moisture protection coat (approx. 0.7 mm) 1.30 kg/m <sup>2</sup> reinforcement
<b>Colour shade</b>	grey/white
<b>Application</b>	 must be mixed with StoFlexyl Cement / cement CEM I or CEM II A/LL or CEM II B/LL parts by weight 1.0 : 1.0, as a moisture protection coat: additionally dilute with approx. 10 % water

## StoFlexyl Cement

Special cement for StoFlexyl



### Area of application

exterior, in combination with StoFlexyl

### Properties

special cement for StoFlexyl type CEM II B-LL 42.5 R

<b>Approx. consumption</b>	3.90 kg/m <sup>2</sup> waterproofing 2.00 kg/m <sup>2</sup> bonding 0.50 kg/m <sup>2</sup> primer and moisture protection coat 1.30 kg/m <sup>2</sup> reinforcement
<b>Appearance</b>	white Portland cement
<b>Colour shade</b>	white
<b>Application</b>	see the Technical Data Sheet for StoFlexyl

## Mineral fillers

### StoLevell Reno

Mineral, float-finishable, fibre-reinforced filler, organically modified



### Area of application

exterior and interior, renovation mortar for the refurbishment and overcoating of mineral and almost all organic substrates, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, can be used as a universal bonding agent


### Properties

fibre-reinforced, good adhesion to substrate, crack-bridging if embedded mesh is used, hydrophobic, float-finishable, water vapour permeable, resistant to frost and weathering

### Notes

quantity required depends on substrate and insulant type, see Technical Data Sheet for detailed information



<b>Approx. consumption</b>	1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	





### StoLevell Combi plus

Mineral combination mortar for bonding, reinforcing and renovating; fibre-reinforced, float-finishable



**Area of application**

exterior and interior, renovation mortar for the refurbishment and overcoating of mineral and almost all organic substrates, for bonding insulation boards and render carrier boards to mineral or organic, non-elastic substrates, for producing thin- to medium-layer reinforcing coats, together with a paint system it can be used in the plinth area, can be used as a universal bonding agent, as a textured or float-finished finishing plaster/render onto a reinforcing layer of StoLevell Combi plus with a paint system, as adhesive and reinforcing compound for StoTherm Vario and StoTherm Mineral

**Properties**

fibre-reinforced, high adhesive strength and adhesion to substrate, highly permeable to water vapour, suitable for float-finishing and texturing, highly water-repellent, highly weather-resistant

<b>Approx. consumption</b>	4.00 - 7.00 kg/m <sup>2</sup> bonding 5.00 - 8.00 kg/m <sup>2</sup> reinforcement 1.28 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	

### Base coats

#### StoArmat Classic plus F/M/G

Organic, cement-free reinforcing compound/base coat



**Area of application**

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

**Properties**

cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

**Notes**

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

#### StoArmat Classic plus QS F/M/G

Organic, cement-free reinforcing compound/base coat with early rainproofing properties



**Area of application**

exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

**Properties**

early rainproofing with QuickSet Technology, cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

**Notes**

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	

### Lightweight base coats

#### StoMiral® FL Vario

Fibre-reinforced lightweight base coat in accordance with EN 998-1



**Area of application**

exterior and interior, lightweight base coat on insulating masonry, for mineral and organic finishing renders, as a two-layer base coat with additional reinforcement

**Properties**

fibre-reinforced lightweight render, type II, with organic lightweight aggregates (EPS), suitable for glass fibre mesh reinforcement, very good application properties, can be coated with any Sto finishing render

<b>Approx. consumption</b>	0.83 kg/m <sup>2</sup> per mm layer thickness
<b>Appearance</b>	natural white
<b>Colour shade</b>	natural white
<b>Application</b>	



# Finishing renders

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**Paper Museum, Düren, DE**  
Photo: Guido Erbring, Cologne, DE



## Overview of finishing renders

Product	Technology	Texture	Grain sizes	Water vapour diffusion	Water permeability w /water absorption Wc	Film protection (encapsulated)	Colour range
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### iQ INTELLIGENT TECHNOLOGY

<b>Stolit AimS®</b>	emulsion	K/MP	1.0 - 3.0 / MP 0.8	V2	w3	free	
<b>StoLotusan®</b>	Lotus-Effect® Technology optional X-black Technology	K/MP	1.0 - 3.0 / MP 0.8	V1	w3	enhanced	
<b>StoSilco® blue</b>	blue Technology	K/MP	1.0 - 3.0 / MP 0.8	V1	w3	free	

### Best standard

<b>StoSilco®</b>	silicone resin optional X-black Technology	K/R/MP	1.0 - 3.0 / MP 0.8	V1	w3	enhanced	
<b>Stolit®</b>	emulsion optional X-black Technology	K/R/MP	1.0 - 6.0 / MP	V2	w3	enhanced	
<b>Stolit® Effect</b>	emulsion optional X-black Technology	MP	3.0	V2	w3	yes	
<b>Stolit® Milano</b>	emulsion optional X-black Technology	fine textured render	0.1	V2	w3	yes	
<b>StoSil®</b>	silicate	K/R/MP	1.0 - 3.0 / MP 0.8	V1	w2	yes	

### Basics

<b>StoNivellit®</b>	emulsion	fine textured render, float-finishable	0.5	V1	w2	free	
<b>StoSuperlit®</b>	emulsion	natural stone render	2.0	V1	w2	free	

- ■ excellent
- good
- to a limited extent
- tintable in accordance with the StoColor System
- begrenzt tönbar nach StoColor System bzw. nach Farbtonkarte
- colour shade from collection

### Class in accordance with EN 1062-1

Wasserdampfdiffusion		Water permeability		Water absorption	
<b>V1</b>	high	<b>w1</b>	high	Wc1	high
<b>V2</b>	medium	<b>w2</b>	medium	Wc2	medium
<b>V3</b>	low	<b>w3</b>	low	Wc3	low

### Class in accordance with EN 1015-18



## IQ INTELLIGENT TECHNOLOGY

### StoLotusan® K/MP

Finishing render with Lotus-Effect® Technology



#### Area of application

exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions


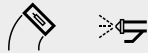
#### Properties

render in accordance with EN 15824, Lotus-Effect® Technology: dirt runs off with the rain, strongly supported self-cleaning effect when exposed to rain, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, excellent application, very high CO<sub>2</sub> and water vapour permeability, very highly weather-resistant, with high-quality marble grains made of natural deposits

#### Notes

if the selected colour shade has a light reflectance value  $\geq 20$ , no additional finishing coat is necessary



<b>Approx. consumption</b>	K 1.0	1.90 kg/m <sup>2</sup>
	K 1.5	2.40 kg/m <sup>2</sup>
	K 2.0	3.20 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		

### StoSilco® blue K/MP

Silicone resin finishing render without biocide film protection



#### Area of application

exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions, optimal application in combination with structural moisture proofing of the facade


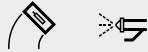
#### Properties

render in accordance with EN 15824, genuine silicone resin render for reliable application and long-lasting facades, without biocide film protection, works on natural principles, reduced bioavailability and low susceptibility to soiling, A2-s1, d0 in accordance with EN 13501-1, solvent- and plasticiser-free in accordance with VdL directive 01, highly permeable to water vapour, slightly water permeable, with high-quality marble grains made of natural deposits

#### Notes

light reflectance value  $\geq 20$  possible without additional finishing coat, depending on the project and application, if necessary, carry out additional measures for protection against microorganisms:  
a. recommendation: apply the plinth offset to the facade (splash zone)  
b. additional coating with facade paint  
c. non-structural moisture protection measures for the facade



<b>Approx. consumption</b>	K 1.0	1.60 - 2.00 kg/m <sup>2</sup>
	K 1.5	2.20 - 2.60 kg/m <sup>2</sup>
	K 2.0	2.80 - 3.40 kg/m <sup>2</sup>
	K 3.0	4.00 - 4.60 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the application
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP) as a float-finished, fine textured render	
<b>Colour shade</b>	white 	
<b>Application</b>		



## Stolit AimS® K/MP

Functional finishing render made of/with renewable resources



### Area of application

exterior, on masonry with a load-bearing base coat, on insulated and rainscreen cladding facades, on mineral and organic render bases, external wall insulation systems with "Blue Angel" certification

### Properties



high-quality finishing render in accordance with EN 15824 made of/with renewable resources, without biocide film protection, with natural protection against algae and fungal attack, highly weather-resistant with silicone resin emulsion, slightly water permeable, reaction to fire: class A2-s1, d0 in accordance with EN 13501-1, non-combustible, solvent-free and plasticiser-free in accordance with VdL directive 01, highly permeable to water vapour, with high-quality marble grains made of natural deposits

### Notes

float-finished, washed fine textured renders: a double paint coat may be required to equalise the colour shade., not suitable for horizontal or sloping surfaces that are exposed to weather conditions, depending on the project and application: carry out additional measures for protection against microorganisms:

- recommendation for the splash zone: apply the plinth offset to the facade
- additional coating with a facade paint
- structural moisture protection measures for the facade, e.g. eaves



<b>Approx. consumption</b>	K 1.0	1.60 - 2.00 kg/m <sup>2</sup>
	K 1.5	2.20 - 2.60 kg/m <sup>2</sup>
	K 2.0	2.80 - 3.40 kg/m <sup>2</sup>
	K 3.0	4.00 - 4.60 kg/m <sup>2</sup>
	MP	1.70 kg/m <sup>2</sup> for each mm of layer thickness
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		

## Silicone resin finishing renders

### StoSilco® K/R/MP

Silicone resin finishing render



### Area of application



exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

### Properties

render in accordance with EN 15824, genuine silicone resin render for reliable application and long-lasting facades, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, very high CO<sub>2</sub> and water vapour permeability, highly weather-resistant, hydrophobic capillary effect, highly water-repellent, water-dilutable, with high-quality marble grains made of natural deposits

### Notes

light reflectance value ≥ 15 possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	2.00 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		



### StoSilco® QS K/R/MP

Silicone resin finishing render with early rainproofing properties



#### Area of application



exterior, on organic substrates, on mineral substrates to a limited extent, especially for damp and cold weather (min. +1 °C to max. +15 °C), not suitable for horizontal or sloping surfaces that are exposed to weather conditions, on masonry, insulated and rainscreen cladding facades with a base coat

#### Properties

render in accordance with EN 15824, increased reliability for application during damp and cold weather, with early rainproofing properties (QuickSet Technology), 6 h after application night-frost-proof down to -5 °C, with encapsulated film protection, highly permeable to CO<sub>2</sub> and water vapour, highly weather-resistant, highly water-repellent, with high-quality marble grains made of natural deposits

#### Notes

limited early rainproofing properties on new, mineral substrates, use StoPrep QS as alkali-blocking primer on mineral substrates in order to preserve all QS properties

<b>Approx. consumption</b>	K 1.0	2.00 kg/m <sup>2</sup>
	K 1.5	2.40 kg/m <sup>2</sup>
	K 2.0	3.20 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.90 kg/m <sup>2</sup>
	R 3.0	4.00 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		

## Emulsion-based finishing renders

### Stolit® K/R/MP

Organic finishing render



#### Area of application




exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, maximum reliability with regard to application, value retention, colour shade, and stability, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, shockproof and highly resistant to cracks and hail when combined with StoTherm Classic®, highly permeable to water vapour, highly water-repellent, weather-resistant, water-dilutable, with high-quality marble grains made of natural deposits

#### Notes

light reflectance value ≥ 15 possible without additional finishing coat

<b>Approx. consumption</b>	K 1.0	1.80 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	K 6.0	6.00 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	3.50 kg/m <sup>2</sup>
	R 6.0	5.60 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>	 	



### Stolit® QS K/R/MP

Organic finishing render with early rainproofing properties



#### Area of application



exterior, on organic substrates, on mineral substrates to a limited extent, especially for damp and cold weather (min. +1 °C to max. +15 °C), not suitable for horizontal or sloping surfaces that are exposed to weather conditions, on masonry, insulated and rainscreen cladding facades with a base coat

#### Properties

render in accordance with EN 15824, increased reliability for application during damp and cold weather, with early rainproofing properties (QuickSet Technology), 6 h after application night-frost-proof down to -5 °C, with encapsulated film protection, highly permeable to water vapour, highly weather-resistant, highly water-repellent, with high-quality marble grains made of natural deposits

#### Notes

limited early rainproofing properties on new, mineral substrates, use StoPrep QS as alkali-blocking primer on mineral substrates in order to preserve all QS properties

<b>Approx. consumption</b>	K 1.0	1.80 kg/m <sup>2</sup>
	K 1.5	2.30 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
	R 2.0	2.70 kg/m <sup>2</sup>
	R 3.0	4.00 kg/m <sup>2</sup>
	MP	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white 	
<b>Application</b>		

### Stolit® Effect

Organic, coarse-grained free-style textured render



#### Area of application



exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, as a finishing render or as dash receiver for special effect aggregates from Sto, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, large texturing grain ensures free textural design and guarantees minimum layer thickness, maximum reliability with regard to application, value retention, colour shade, and stability, A2-s1, d0 in accordance with EN 13501-1, with encapsulated film protection, shockproof and highly resistant to cracks and hail when combined with StoTherm Classic®, highly permeable to water vapour, highly water-repellent, weather-resistant, water-dilutable, with high-quality marble grains made of natural deposits

#### Notes

see Services/Silo overview in the product guide or price list, if the selected colour shade has a light reflectance value  $\geq 15$ , no additional finishing coat is necessary

<b>Approx. consumption</b>	3.50 - 5.50 kg/m <sup>2</sup>	
<b>Appearance</b>	surface can be combined with selected special effect aggregates from Sto for a brush texture coarse-grained free-style textured render	
<b>Colour shade</b>	white 	
<b>Application</b>	 	

### Stolit Milano®

Organic, ultra fine-grained, free-style textured render



#### Area of application



exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, thin-layer, as a multi-layer build-up of finishing render, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, free-style textured render for fine-textured, freely-decorated surfaces, fine graining under 0.1 mm, good suitability for sanding, water-repellent, water vapour permeable, weather-resistant

#### Notes

if the selected colour shade has a light reflectance value  $\geq 15$ , no additional finishing coat is necessary, with encapsulated film protection, sanded surfaces appear lighter

<b>Approx. consumption</b>	1.50 kg/m <sup>2</sup> 1 filler base coat	
	0.50 kg/m <sup>2</sup> intermediate filler coating	
	0.20 - 0.30 kg/m <sup>2</sup> spot-smoothed finish (per application cycle)	
	2.20 - 2.50 kg/m <sup>2</sup> overall build-up of Stolit Milano[R-Markenzeichen]	
<b>Appearance</b>	fine to coarse spotted trowelling technique additional coating possible, e.g. with lasure in various StoSignature surface techniques in accordance with separate application instructions	
<b>Colour shade</b>	white 	
<b>Application</b>		



## Silicate finishing renders

### StoSil® K/R/MP

Silicate finishing render



#### Area of application


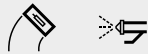
exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, ready-to-use silicate render, matt, mineral surface, A2-s1, d0 in accordance with EN 13501-1, less than 6 organic components, with encapsulated film protection, very highly permeable to water vapour, water-repellent, weather-resistant, with high-quality marble grains made of natural deposits

#### Notes

protect sensitive areas (e.g. glass, marble, varnished surfaces or those to be varnished)

<b>Approx. consumption</b>	K 1.0	2.20 kg/m <sup>2</sup>
	K 1.5	2.40 kg/m <sup>2</sup>
	K 2.0	3.00 kg/m <sup>2</sup>
	K 3.0	4.30 kg/m <sup>2</sup>
	R 1.5	2.40 kg/m <sup>2</sup>
	R 2.0	3.00 kg/m <sup>2</sup>
	R 3.0	3.90 kg/m <sup>2</sup>
<b>MP</b>	1.50 - 4.00 kg/m <sup>2</sup> depending on the texture	
<b>Appearance</b>	as stippled (K), rilled (R), or freestyle textured render (MP)	
<b>Colour shade</b>	white, light reflectance value > 30 %	
		
<b>Application</b>		





## Emulsion-based finishing renders

### StoSuperlit®

Organic natural stone render



#### Area of application

exterior, on masonry, insulated and rainscreen cladding facades with a base coat, on mineral and organic substrates, particularly in plinth areas and passages, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, not susceptible to soiling, robust, transparent binding agent with coloured stone granulate, highly weather-resistant, water vapour permeable, without biocide film protection

#### Notes

check the suitability of dark colour shades on EWIS in each use case, match the substrate colour shade to the StoSuperlit colour shade, StoSuperlit Protect can be used as an additional protective sealing coat

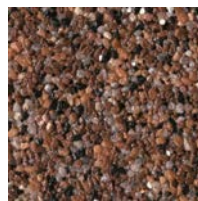
<b>Approx. consumption</b>	5.00 - 6.00 kg/m <sup>2</sup>
<b>Appearance</b>	natural stone render
<b>Colour shade</b>	special colour shades PG12 available on request at a surcharge (minimum order quantity 46 kg)
<b>Application</b>	



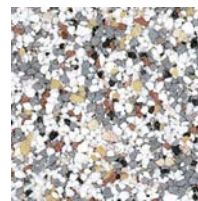
403 (00152-061)  
LRV 21



404 (00152-076)  
LRV 46



405 (00152-062)  
LRV 13



409 (00152-063)  
LRV 43



411 (00152-077)  
LRV 35



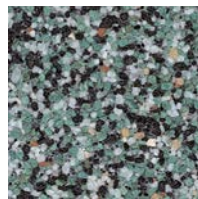
412 (00152-078)  
LRV 63



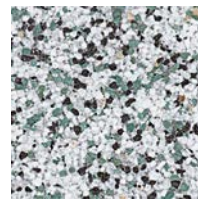
413 (00152-064)  
LRV 24



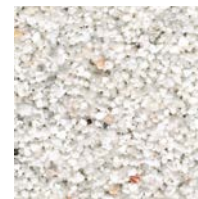
414 (00152-079)  
LRV 43



415 (00152-065)  
LRV 22



416 (00152-080)  
LRV 43



800 (00152-030)  
LRV 68



818 (00152-041)  
LRV 42



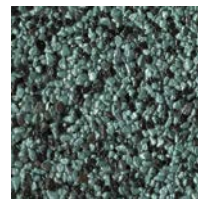
820 (00152-043)  
LRV 44



821 (00152-044)  
LRV 54



824 (00152-047)  
LRV 41



827 (00152-050)  
LRV 15



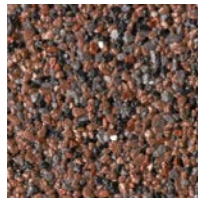
828 (00152-051)  
LRV 7



829 (00152-052)  
LRV 13



831 (00152-054)  
LRV 24



832 (00152-055)  
LRV 11



833 (00152-056)  
LRV 16



834 (00152-057)  
LRV 17



836 (00152-059)  
LRV 21



841 (00152-083)  
LRV 9



842 (00152-084)  
LRV 12



### StoNivellit®

Organic finishing render, fine-grained



#### Area of application



exterior, on masonry, insulated facades and rainscreen cladding facades with a base coat, on mineral and organic substrates, only with a paint coat, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

render in accordance with EN 15824, thin-layer fine textured render for float-finished surfaces, fine graining under 0.5 mm, silicate-enhanced organic binding agent, slightly flexible, water-repellent, highly permeable to water vapour, with high-quality marble grains made of natural deposits

#### Notes

do not coat with StoColor Lotusan® or StoColor Lotusan® G facade paint, protect sensitive areas, e.g. glass, marble, varnished surfaces or those to be varnished, especially with fine-textured render surfaces, prepare the substrate carefully in order to avoid markings from the substrate showing through

<b>Approx. consumption</b>	1.70 kg/m <sup>2</sup> per mm layer thickness
<b>Appearance</b>	fine textured render float-finished surface only with an additional paint coat
<b>Colour shade</b>	white 
<b>Application</b>	

## Supplementary products

### StoSuperlit Protect

Transparent protective coating



#### Area of application


exterior, for coating old and new Sto natural stone render surfaces, as a protective coating on organic finishing renders and paints (use diluted), not suitable for damp substrates or substrates with moisture underneath, not suitable for surfaces subject to foot or vehicle traffic, only with limited guarantee for use on sloping StoSuperlit surfaces exposed to weather conditions

#### Properties

transparent, weather-resistant, protective, contains a highly effective UV light protection combination, silk matt, water-dilutable, water vapour permeable, without biocide film protection

#### Notes

without preventive protection against algae and fungal attack, transparent sealing coat, for the best transparency, only use the product on dry substrates in good drying conditions

<b>Approx. consumption</b>	250 g/m <sup>2</sup> on 2.0 grain natural stone render, per paint coat 160 g/m <sup>2</sup> on smooth substrate, per paint coat
<b>Appearance</b>	transparent silk matt
<b>Colour shade</b>	transparent
<b>Application</b>	

### StoAdditiv WE

Water-based drying accelerator



#### Area of application

exterior, use only in the finishing renders Stolit® and StoSilco® K/R/MP (not in products with QuickSet Technology)

#### Properties

drying is promoted at temperatures of ≥ +7 °C, solvent-free

#### Notes

Mix the additive with the finishing render directly before application., Apply the finishing render promptly after adding the additive.

<b>Format</b>	bottle: 500 ml (from 2020) bottle: 250 ml (only available until approx. Q1 / 2020)
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# Facade paints

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## 115 iQ INTELLIGENT TECHNOLOGY

### 118 Best standard

118 Hard-wearing/reliable

119 Brilliant/intense colour shades

## 120 Basics



**Student residence, Münster, DE**  
Photo: Guido Erbring, Cologne, DE



## Overview of facade paints

Product	Technology	Klasse nach EN 1062-1			Filled	Film protection (encapsulated)	Colour range
		Water vapor diffusion	Water vapour permeability	CO <sup>2</sup> permeability			

### iQ INTELLIGENT TECHNOLOGY

<b>StoColor Dryonic®</b>	Dryonic Technology	V2	W3	C1	–	free	
<b>StoColor Dryonic® S</b>	Dryonic Technology X-black Technology SunBlock Technology	V2	W3	C1	–	free	
<b>StoColor Dryonic® G</b>	Dryonic Technology	V2	W3	C1	–	yes	
<b>StoColor X-black</b>	X-black Technology	V2	W3	C1	–	yes	
<b>StoColor Lotusan® AimS</b>	Lotus-Effect® Technology	V1	W3	C0	–	free	
<b>StoColor Lotusan®</b>	Lotus-Effect® Technology	V1	W3	C0	–	free	
<b>StoColor Lotusan® G</b>	Lotus-Effect® Technology	V1	W3	C0	–	yes	

### Best standard – Hard-wearing/reliable

<b>StoColor Silco</b>	genuine silicone resin paint	V1	W3	C0	–	yes	
<b>StoColor Silco QS</b>	genuine silicone resin paint	V1	W3	C0	–	yes	
<b>StoColor Silco G</b>	genuine silicone resin paint	V1	W3	C0	–	enhanced	
<b>StoColor Silco Fill</b>	silicone resin-enhanced	V1	W3	C0	yes	yes	
<b>StoColor Silco G QS</b>	genuine silicone resin paint	V1	W3	C0	–	enhanced	
<b>StoColor Solical</b>	silicate colloidal silica	V1	W3	C0	–	free	
<b>StoColor Solical G</b>	silicate colloidal silica	V1	W3	C0	–	yes	
<b>StoColor Top</b>	pure acrylate	V3	W3	C1	–	yes	

### Best standard – Brilliant/intense colour shades

<b>StoColor Maxicryl</b>	pure acrylate	V2	W3	C0	–	yes	
<b>StoColor Metallic</b>	pure acrylate	V2	W3	C0	–	free	

tintable in accordance with the StoColor System  
 limited tintability in accordance with the StoColor System

### Class in accordance with EN 1062-1

Water vapor diffusion		Water vapour permeability		CO <sub>2</sub> permeability	
<b>V1</b>	high	<b>W1</b>	high	<b>C0</b>	open
<b>V2</b>	medium	<b>W2</b>	medium	<b>C1</b>	inhibiting
<b>V3</b>	low	<b>W3</b>	low		





## Overview of facade paints

Product	Technology	Class in accordance with EN 1062-1			Filled	Film protection (encapsulated)	Colour range
		Water vapour diffusion	Water vapour permeability	CO <sub>2</sub> permeability			

### Basics

StoColor Jumbosil	emulsion	V1	W3	C0	–	yes	
StoColor Crylan	emulsion	V2	W3	C0	–	yes	
StoColor S fein/grob	emulsion	V2	W3	C0	yes	yes	
StoColor Lastic	emulsion	V3	W3	C0	yes	yes	
StoColor Fibrasil	emulsion	V2	W3	C0	yes	yes	
StoColor Silco Elast	silicone resin-enhanced	V3	W3	C0	yes	yes	
StoColor Sil Lasura	silicate	V1	W3	C0	–	free	
StoColor Sil	silicate	V1	W3	C0	–	free	



tintable in accordance with the StoColor System



limited tintability in accordance with the StoColor System

### Class in accordance with EN 1062-1

Water vapour diffusion		Water vapour permeability		CO <sub>2</sub> permeability	
V1	high	W1	high	C0	open
V2	medium	W2	medium	C1	inhibiting
V3	low	W3	low		

## IQ INTELLIGENT TECHNOLOGY

### StoColor Dryonic®

Facade paint with Dryonic® Technology, biomimetic principle for dry facades against algae and fungal attacks, without biocide film protection



#### Area of application

exterior, on mineral and organic substrates, on EWIS, on almost all conventional construction substrates, on sloping substrates not sensitive to humidity up to an inclination of 45°, project-specific consultation is necessary for EWIS with inclined surfaces, on concrete, on trapezoidal profiled sheet facades (e.g. coated using the coil coating method), on galvanised metal substrates (e.g. rainwater pipes), on fibre cement facades, on high pressure laminate facades, also suitable for roofs with an inclination > 3°, e.g. cement bricks, clay bricks, fibre cement (asbestos-free), sheet metal coverings

#### Properties

biomimetic principle for fastest drying after rain or dew formation, also available with X-black Technology: heat shield against solar heating, highest whiteness, high level of colour shade variety and stability, minimum extender material breakdown (not easily scuffed), high level of resistance to mechanical stress, texture-retaining, pure acrylate binding agent, CO<sub>2</sub> diffusion: class C1 in accordance with EN 1062-1, very good hiding power, water vapour permeable, alkali-resistant, very good adhesion to all substrates commonly used in construction, without biocide film protection



Approx. consumption	0.12 - 0.15 l/m <sup>2</sup> per paint coat
Appearance	matt (G3) in accordance with EN 1062-1 depending on the angle, the surface seems silk matt
Colour shade	white 
Application	



## StoColor Dryonic® G

Facade paint with Dryonic® Technology, biomimetic principle for dry facades against algae and fungal attacks, with encapsulated film protection





### Area of application

exterior, on mineral and organic substrates, on EWIS, on almost all conventional construction substrates, on sloping substrates not sensitive to humidity up to an inclination of 45°, project-specific consultation is necessary for EWIS with inclined surfaces, on concrete, on trapezoidal profiled sheet facades (e.g. coated using the coil coating method), on galvanised metal substrates (e.g. rainwater pipes), on fibre cement facades, on high pressure laminate facades, wood that is dimensionally stable to a limited extent (e.g. roof soffits)

### Properties

biomimetic principle for fastest drying after rain or dew formation, highest whiteness, high level of colour shade variety and stability, minimum extender material breakdown (not easily scuffed), high level of resistance to mechanical stress, texture-retaining, pure acrylate binding agent, CO<sub>2</sub> diffusion: class C1 in accordance with EN 1062-1, very good hiding power, water vapour permeable, alkali-resistant, very good adhesion to all substrates commonly used in construction, with encapsulated film protection



<b>Approx. consumption</b>	0.12 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt (G3) in accordance with EN 1062-1 depending on the angle, the surface seems silk matt
<b>Colour shade</b>	white 
<b>Application</b>	

## StoColor Dryonic® S

Facade paint with Dryonic® Technology and additional SunBlock Technology for maximum colour shade variety and stability, without biocide film protection





### Area of application

exterior, on mineral and organic substrates, on EWIS, on almost all conventional construction substrates, on sloping substrates not sensitive to humidity up to an inclination of 45°, project-specific consultation is necessary for EWIS with inclined surfaces, on concrete, on trapezoidal profiled sheet facades (e.g. coated using the coil coating method), on galvanised metal substrates (e.g. rainwater pipes), on fibre cement facades, on high pressure laminate facades, also suitable for roofs with an inclination > 3°, e.g. cement bricks, clay bricks, fibre cement (asbestos-free), sheet metal coverings

### Properties

biomimetic principle for fastest drying after rain or dew formation, also available with X-black Technology: heat shield against solar heating, minimum extender material breakdown (not easily scuffed), high level of resistance to mechanical stress, texture-retaining, pure acrylate binding agent, CO<sub>2</sub> diffusion: class C1 in accordance with EN 1062-1, very good hiding power, water vapour permeable, alkali-resistant, very good adhesion to all substrates commonly used in construction, without biocide film protection



<b>Approx. consumption</b>	0.12 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt (G3) in accordance with EN 1062-1 depending on the angle, the surface seems silk matt
<b>Colour shade</b>	white 
<b>Application</b>	



### StoColor X-black

Facade paint with X-black Technology, for reducing solar heating in case of dark colour shades



**Area of application**

exterior, for heat-reflective paint coats on mineral and organic substrates, for paint coats with an intense colour shade, not suitable for horizontal or sloping surfaces that are subject to weathering (does not apply to StoDeco Facade Elements)





**Properties**

reflects near-infrared components of sunlight, reduces solar heating of facade surfaces, increases protection against crack formation in the substrate, texture-retaining, very highly water-repellent, water vapour permeable, pure acrylate binding agent, alkali-resistant, very good adhesion, additional film protection possible, very good hiding power, especially for intense colour shades

**Notes**

with encapsulated film protection



<b>Approx. consumption</b>	0.15 - 0.18 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	 StoColor
<b>Application</b>	  

### StoColor Lotusan Aims®

Facade paint with Lotus-Effect® Technology, made of/with renewable resources, naturally against algae and fungi







**Area of application**

exterior, for paint coats with reduced adhesion of dirt particles on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions, e.g. joint areas in masonry, external wall insulation systems with "Blue Angel" certification

**Properties**

made of/with renewable resources, texture-retaining, very high CO<sub>2</sub> permeability, very highly permeable to water vapour, reduced wettability with water, Lotus-Effect® Technology: reduced adhesion of dirt particles and self-cleaning when exposed to rain, dirt runs off with the rain, natural protection against algae and fungi, without biocide film protection, low-tension



<b>Approx. consumption</b>	0.17 - 0.20 l/m <sup>2</sup> per paint coat 0.34 - 0.40 l/m <sup>2</sup> for 2 coats
<b>Appearance</b>	matt
<b>Colour shade</b>	white  StoColor
<b>Application</b>	  

### StoColor Lotusan®

Facade paint with Lotus-Effect® Technology, natural protection against algae and fungal attacks, without biocide film protection







**Area of application**

exterior, for paint coats with reduced adhesion of dirt particles on mineral and organic substrates

**Properties**

texture-retaining, very high CO<sub>2</sub> and water vapour permeability, reduced wettability with water, also available with X-black Technology: heat shield against solar heating, Lotus-Effect® Technology: reduced adhesion of dirt particles and self-cleaning when exposed to rain, dirt runs off with the rain, natural protection against algae and fungal attack, without biocide film protection, low-tension



<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white  StoColor
<b>Application</b>	  



### StoColor Lotusan® G

Facade paint with Lotus-Effect® Technology, with encapsulated film protection



**Area of application**

exterior, for paint coats with reduced adhesion of dirt particles on mineral and organic substrates

**Properties**

texture-retaining, very high CO<sub>2</sub> and water vapour permeability, reduced wettability with water, Lotus-Effect® Technology: reduced adhesion of dirt particles and self-cleaning when exposed to rain, dirt runs off with the rain, natural protection thanks to the Lotus-Effect and encapsulated film protection, low-tension



<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	

### Hard-wearing/reliable

#### StoColor Silco

Genuine silicone resin facade paint, especially fail-proof



**Area of application**

exterior, on mineral and organic substrates

**Properties**

texture-retaining, genuine silicone resin paint (approx. 50 % of the total binding agent content) in accordance with the French standard FD T30-808, very good hiding power, highly water-repellent, highly permeable to CO<sub>2</sub> and water vapour, maximum resistance to soiling, low-tension, even drying, robust

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	

#### StoColor Silco G

Genuine silicone resin facade paint, with increased encapsulated film protection, especially fail-proof



**Area of application**

exterior, on mineral and organic substrates

**Properties**

texture-retaining, genuine silicone resin paint (approx. 50 % of the total binding agent content) in accordance with the French standard FD T30-808, very good hiding power, highly water-repellent, with increased encapsulated film protection, maximum resistance to soiling, highly permeable to CO<sub>2</sub> and water vapour, low-tension, even drying, robust

<b>Approx. consumption</b>	0.18 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	

#### StoColor Silco Fill

Genuine silicone resin facade paint, filled, texture-imparting



**Area of application**

exterior, as a covering, filled paint coat, on mineral and organic substrates

**Properties**

filled genuine silicone resin paint (approx. 50 % of the total binding agent content) in accordance with the French standard FD T30-808, brush render-like texture and effect, good hiding power, water-repellent, very high CO<sub>2</sub> and water vapour permeability, good filling capacity, low-tension

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.35 - 0.40 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	





### StoColor Solical

Facade paint on a sol-silicate base without biocide film protection



#### Area of application





exterior, on mineral substrates, for renovating organic, non-elastic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

texture-retaining, very good hiding power, water-repellent, highly weather-resistant, A2-s1, d0 in accordance with EN 13501-1, consists of a combination of colloidal silica and potassium silicate, very high CO<sub>2</sub> and water vapour permeability, maximum colour stability in the area of silicate paints, without biocide film protection, non-film-forming, solvent- and plasticiser-free, water-vapour transmission rate V: >2,000 g/(m<sup>2</sup>\*d), also available with X-black Technology: heat shield against solar heating

#### Notes

silicate emulsion paint in accordance with DIN 18363

<b>Approx. consumption</b>	0.15 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt (mineral)
<b>Colour shade</b>	white 
<b>Application</b>	  

### StoColor Solical G

Facade paint on a sol-silicate base with encapsulated film protection



#### Area of application




exterior, on mineral substrates, for renovating organic, non-elastic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions

#### Properties

texture-retaining, very good hiding power, water-repellent, highly weather-resistant, A2-s1, d0 in accordance with EN 13501-1, consists of a combination of colloidal silica and potassium silicate, very high CO<sub>2</sub> and water vapour permeability, maximum colour stability in the area of silicate paints, with encapsulated film protection, non-film-forming, solvent- and plasticiser-free, water-vapour transmission rate V: >2,000 g/(m<sup>2</sup>\*d)

#### Notes

silicate emulsion paint in accordance with DIN 18363

<b>Approx. consumption</b>	0.15 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt (mineral)
<b>Colour shade</b>	white 
<b>Application</b>	  

### StoColor Top

Facade paint as a universal paint, with high adhesive bond, rust-inhibiting



#### Area of application





exterior, on mineral and organic substrates, not suitable for horizontal or sloping surfaces that are exposed to weather conditions, not suitable for dimensionally stable wooden substrates, ideal for timber

#### Properties

texture-retaining, on a pure acrylate base, very good adhesion to the substrate due to special additives, not block resistant, very good hiding power, highly water-repellent, water vapour permeable, corrosion-inhibiting (flash rust)

#### Notes

with encapsulated film protection

<b>Approx. consumption</b>	0.17 - 0.19 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	  

### Brilliant/intense colour shades

### StoColor Maxicryl

Facade paint for maximum colour shade variety and stability



#### Area of application





exterior, for paint coats with intense colour shades on mineral and organic substrates

#### Properties

texture-retaining, very highly water-repellent, water vapour permeable, alkali-resistant, very good adhesion, pure acrylate binding agent, especially for intense colour shades

#### Notes

with encapsulated film protection

<b>Approx. consumption</b>	0.15 - 0.18 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	  



## StoColor Metallic

Effect coating with metallic effect for creative interior and exterior designs, low-emission



### Area of application

exterior and interior, as double finishing coat or decorative lasure onto prepared substrates, on the external wall insulation systems StoTherm Classic® and StoTherm Vario with individual release, on Sto RSC systems

### Properties

coating with metallic effect, weather-resistant, highly water-repellent, without biocide film protection, almost solvent-free with only 2 g/l

### Notes

only onto approved substrates, see Technical Data Sheet



<b>Approx. consumption</b>	0.15 - 0.20 l/m <sup>2</sup> per coat, covering 0.10 - 0.15 l/m <sup>2</sup> as a decorative lasure
<b>Appearance</b>	metallic appearance matt to silk gloss
<b>Colour shade</b>	StoColor Metallic colour fan  Collection
<b>Application</b>	 recommended tools for reworking are the Sto-Decorative Roller Cover Farfalla, the Sto-Loop Pile Roller Cover, a sponge, etc.

## Basics

### StoColor Jumbosil

Facade paint on an emulsion base, filled, silicone-modified



### Area of application



exterior, for slightly filling, covering paint coats on mineral and organic substrates

### Properties

slight filling capacity, very good drying behaviour, low-tension, water-repellent, CO<sub>2</sub> and water vapour permeable

### Notes

with encapsulated film protection

<b>Approx. consumption</b>	0.20 - 0.25 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white  StoColor
<b>Application</b>	

### StoColor Crylan

Facade paint on a pure acrylate base



### Area of application



exterior, for highly covering paint coats on mineral and organic substrates

### Properties

texture-retaining, very good hiding power, highly water-repellent, water vapour permeable, alkali-resistant

### Notes

with encapsulated film protection

<b>Approx. consumption</b>	0.15 - 0.18 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white  StoColor
<b>Application</b>	

### StoColor S

Facade paint on an emulsion base, filled, with brush render appearance



### Area of application


exterior, for fine or coarse brush render textures

### Properties

water vapour permeable, good filling capacity, low-tension

### Notes

with encapsulated film protection

<b>Approx. consumption</b>	0.30 - 0.40 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt fine or coarse filling
<b>Colour shade</b>	white  StoColor
<b>Application</b>	



### StoColor Lastic

Facade paint on a emulsion base, cold-elastic



**Area of application**

exterior, as an intermediate coat and finishing coat in the Sto crack repair system for cracks with a max. width of 1.0 mm

**Properties**

UV-crosslinking, highly elastic, very high resistance to soiling for such a highly elastic facade paint, very good hiding power, very highly water-repellent, water vapour permeable, cold-elastic

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.40 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	silk matt
<b>Colour shade</b>	white 
<b>Application</b>	 

### StoColor Fibrasil

Facade paint for reliably bridging shrinkage and hairline cracks, fibre-filled, texture-imparting



**Area of application**




exterior, for bridging and filling hairline and shrinkage cracks of up to 0.1 mm width, for covering paint coats on mineral and organic substrates

**Properties**

very good hiding power, highly water-repellent, water vapour permeable, alkali-resistant, fibre-reinforced

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.20 - 0.30 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	 

### StoColor Silco Elast

Facade paint on a silicone resin base



**Area of application**




exterior, for crack-bridging coatings on facades with cracks up to max. 0.2 mm, for organic and mineral substrates

**Properties**

very good hiding power, very highly water-repellent, water vapour permeable, elastic

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.30 - 0.50 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	 

### StoColor Sil Lasura

Lasure on a silicate base



**Area of application**


exterior, for easily-created lasure techniques that produce sophisticated decorative effects, especially suitable for mineral and silicate substrates, as a creative finishing coat

**Properties**

very high CO<sub>2</sub> and water vapour permeability, use as lasure binding agent and as lasure thinning, without biocide film protection

**Notes**

not suitable for areas with an increased risk of algae and/or fungal attack

<b>Approx. consumption</b>	0.13 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	brilliant, clear colour shades lasure
<b>Colour shade</b>	tintable with StoTint Aqua and StoColor Sil
<b>Application</b>	



## StoColor Sil

Facade paint on a silicate base







### Area of application

exterior, on mineral and silicate substrates

### Properties

texture-retaining, very good hiding power, water-repellent, very high CO<sub>2</sub> and water vapour permeability, without biocide film protection

<b>Approx. consumption</b>	0.15 - 0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	  

## Supplementary products

### StoAdditiv QS

Water-based drying accelerator for early rainproofing



### Area of application

exterior, for flexible use in highly fluctuating temperatures during the day and at night, only for use with facade paints: StoColor Silco, StoColor Silco G, StoColor Silco Fill, StoColor Maxicryl, StoColor Jumbosil, StoColor X-black, StoCryl V 200

### Properties

solvent-free, accelerates drying of Sto facade paints in wet and cold seasons

### Notes

The facade paints with StoAdditiv QS are night-frost-proof down to -5 °C for 6 hours after application.

<b>Format</b>	amount: 0.45 l
<b>Colour shade</b>	yellowish

## Tinting concentrates

### StoColor Tint

Mass tone paint and tinter on an emulsion base



### Area of application

exterior, as a mass tone paint or tinter, suitable for creating small, richly coloured areas, for tinting Sto facade paints on an emulsion base, change in gloss level of matt and glossy emulsion paints when StoColor Tint is added, tint organic renders with max. 1 % StoColor Tint, do not use for tinting silicate products

### Properties

water vapour permeable, water-repellent

### Notes

observe the information in the respective Technical Data Sheets, consumption depends on the area of application

<b>Appearance</b>	silk matt
<b>Colour shade</b>	lemon yellow (00304-002), maize yellow (00305-002), ochre (00306-002), signal red (00307-002), brick red (00308-002), royal blue (00309-002), emerald (00310-002), leaf green (00311-002), umber (00312-002), cigar brown (00313-002), red-brown (00314-002), black (00315-002)



lemon-yellow  
(00304-002)



maize-yellow  
(00305-002)



ochre  
(00306-002)



signal-red  
(00307-002)



brick-red  
(00308-002)



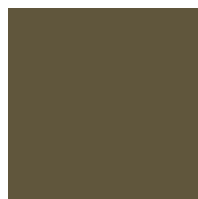
royal blue  
(00309-002)



emerald  
(00310-002)



leaf-green  
(00311-002)



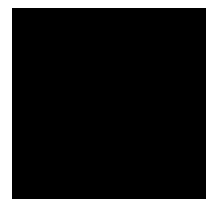
umber  
(00312-002)



cigar-brown  
(00313-002)



red-brown  
(00314-002)



black  
(00315-002)



## StoTint Aqua

Binder-free tinting paste



### Area of application

exterior and interior, for tinting water-based coating systems

### Properties

only for paints and renders/plasters

### Notes

depending on the coating material, add max. 1 % parts by weight, first tint the material, then dilute it



<b>Appearance</b>	depending on the colour intensity and material used (paint, render/plaster)
<b>Colour shade</b>	ochre (02305-001), umber (02305-002), oxide red (02305-003), oxide green (02305-004), black (02305-005), lemon yellow (02305-006), golden (02305-007), cobalt blue (02305-008), brick red (02305-009), brown (02305-010)



ochre  
(02305-001)



umber  
(02305-002)



oxide-red  
(02305-003)



oxide-green  
(02305-004)



black  
(02305-005)



lemon-yellow  
(02305-006)



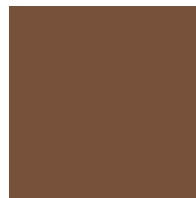
golden  
(02305-007)



cobalt-blue  
(02305-008)



brick-red  
(02305-009)



brown  
(02305-010)

## Effect aggregates

### StoEffect Terrazzo natural

Natural sand mixture



### Area of application

exterior and interior, for blowing onto and then pressing into freshly applied and textured Stolit Effect surfaces

### Properties

special surface effect, weather-resistant

### Notes

onto suitable finishing plasters and renders

<b>Approx. consumption</b>	0.20 kg/m <sup>2</sup> easy to disperse 0.35 kg/m <sup>2</sup> preferred medium dispersal 0.45 kg/m <sup>2</sup> dense dispersal
<b>Appearance</b>	defined sand mixture in natural stone colour shades
<b>Colour shade</b>	from natural beige to grey
<b>Application</b>	with the Sto-Terrazzo Effect Gun

### StoEffect Vetro

Special effect aggregates made of glass



### Area of application

exterior, interior, for blowing onto freshly applied finishes, on different substrates from grain size: grain  $\geq 1.5$

### Properties

special surface effect, weather-resistant, non-combustible, tintable in accordance with the StoColor System, depending on the project, easy to apply, recycled granulate made of mirror glass

### Notes

Check the production batches on the label before starting work., If there are different batch numbers, mix the batches homogeneously first.

<b>Approx. consumption</b>	0.1 kg/m <sup>2</sup> light coverage 0.3 kg/m <sup>2</sup> recommended/maximum coverage
<b>Format</b>	fine-particle glass mixture with broken edges
<b>Appearance</b>	reflecting
<b>Colour shade</b>	whitish transparent, reflecting

**Sto-Silicon Carbide**

Scatter granulate, conductive, black

**Area of application**

conductive scatter granulate, as scatter material for achieving electrically conductive properties in combination with increased slip resistance

**Notes**

can also be used as effect scatter in selected facade finishes, request separate application instructions

<b>Appearance</b>	gloss
<b>Colour shade</b>	black







# Facade claddings

127 Overview of facade claddings

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138 Cladding system StoGlass Mosaic

145 Cladding system StoEcoshape

148 Cladding system StoCleyer B

154 Cladding system StoCleyer W



**Collective Housing MyLoft World Fashion Center, Amsterdam, NL**  
Photo: Norbert Duijvelshoff (Sto Isoned bv), Tiel, NL





## Overview of facade claddings

System/product	Bekleidungssystem			
	StoDeco	StoGlass Mosaic	StoEcoshape	Sto-Cleyer B

## External wall insulation system

StoTherm Classic®	■	□	■ ■	■ ■
StoTherm Classic® S1	■	□	■ ■	■ ■
StoTherm Vario	■ ■	■ ■	■	■
StoTherm Mineral	■ ■	■ ■	■	■
StoTherm Wood	□		■	■

## Ventilated rainscreen cladding facade

StoVentec R	■ ■		■ ■	■ ■
StoVentec S	■ ■			
StoVentec C	■ ■			
StoVentec M	■ ■	■ ■		

## Solid substrate

Beton	■ ■	■ ■	■ ■	■ ■
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- ■ excellent
- good
- to a limited extent

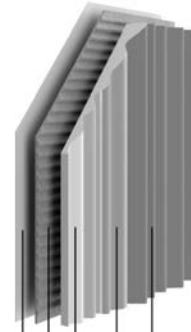


# Cladding system StoDeco

## Facades with customised, three-dimensional facade elements

### System advantages

- facade elements: class A2-s1, d0 in accordance with EN 13501-1, based on mineral granulate made of hollow silicate microspheres
- various shapes
- shock-proof and impact-resistant
- homogeneous material
- low weight
- value-retaining



- 1 Priming coat
- 2 Bonding
- 3 Cladding
- 4 Fixing
- 5 Substrate coating
- 6 Finishing coat

### Overview Cladding system StoDeco

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• for individual facade design on load-bearing substrates</li> <li>• for the renovation and refurbishment of existing buildings, also for the protection of listed buildings</li> <li>• for the design of new buildings</li> <li>• can also be used in interiors</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• external wall insulation systems and ventilated rainscreen cladding systems with a reinforced base coat</li> <li>• solid substrates</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• full-surface bonding</li> <li>• additional mechanical fixing with anchors or constructing brackets in case of projections of <math>\geq 50</math> mm</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• facade elements: class A2-s1, d0 in accordance with EN 13501-1, in the defined area in accordance with the classification report 902 6199 000-06k</li> <li>• facade elements on an external wall insulation system: in accordance with EN 13501-1, in the defined area in accordance with the classification report MA 39 – VFA 2014-1649.01 (EWIS with mineral wool insulation) and MA 39 – VFA 2014-1649.02 (EWIS with EPS insulation)</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• shock-proof and impact-resistant</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• facade elements: ledges for creating surrounding lines and structure, panels for decorating entire areas, sculptural shapes for selective structuring of facades</li> <li>• smooth or rough surface</li> <li>• various shapes</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• broad scope for colour design with a corresponding coating</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• easy to saw, sand and process</li> </ul>



## System description of cladding system StoDeco

<b>Substrate</b>	RSC, EWIS or solid substrate
<b>Substrate coating</b>	StoPrep Contact
<b>Bonding</b>	StoDeco Coll white
<b>Cladding</b>	StoDeco Facade Element
<b>Fixing</b>	StoDeco Screw-In Anchor LZ 10 or StoDeco Screw-In Anchor LZ 14 with StoDeco Cap
<b>Priming coat</b> see chapter: facade coatings · primer, facade paints	Sto-Primer (sandstone texture)      StoColor S fine (fine texture)      StoColor Maxicryl or StoColor Dryonic® or StoColor X-Black (smooth)
<b>Intermediate coat and finish</b> refer to chapter: Facade coatings · facade paints	StoColor Maxicryl or StoColor Dryonic® or StoColor X-Black

## Priming coat

### StoPrep Contact

Bonding agent for smooth substrates



#### Area of application

exterior and interior, as a bonding agent for plasters and fillers on smooth, non-absorbent wall and ceiling areas, e.g. smooth concrete, wood particle boards, gypsum plasterboards, and ceramic tiles, suitable as a bonding agent for gypsum, lime, and lime-cement plaster





#### Properties

adhesion-promoting, filled, alkali-resistant

#### Notes

when using the product in exteriors, in wet interior areas, or when applying lime-cement renders on top, add 20 weight percent cement to the material, if applying with a 4 mm notched trowel, it is possible to add up to 35 weight percent cement to the material



<b>Approx. consumption</b>	0.20 - 0.40 kg/m <sup>2</sup> paint brush, roller 0.40 - 0.60 kg/m <sup>2</sup> as spray application 1.50 - 2.00 kg/m <sup>2</sup> with notched trowel (4 x 4)
<b>Appearance</b>	matt
<b>Colour shade</b>	white
<b>Application</b>	    can be mixed with cement CEM I 32.5, CEM I 52.5R, or StoFlexyl Cement



## Bonding

### StoDeco Coll white

Mineral bonding mortar for StoDeco Facade Elements



**Area of application**

exterior and interior, for bonding StoDeco Facade Elements to load-bearing, mineral and organic, non-elastic substrates

**Properties**

excellent adhesion properties



<b>Approx. consumption</b>	5.20 - 7.20 kg/m <sup>2</sup> depending on the notched trowel used for application
<b>Colour shade</b>	white
<b>Application</b>	apply to both surfaces (floating-buttering method)

## Cladding

### StoDeco Frame

Frame profile made of Verolith



**Area of application**

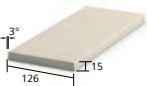
exterior and interior, for accentuating building openings, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

**Properties**

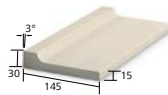
design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0



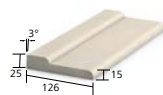
<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	see collection drawings
<b>Appearance</b>	see collection drawings
<b>Application</b>	fixing by bonding



type A 103



type B 103



type C 103



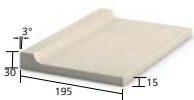
type D 103



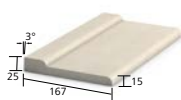
type E 103



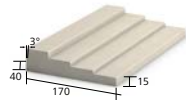
type A 106



type B 106



type C 106



type D 106



type E 106



## StoDeco Frame - L

Profiled window sill element made of Verolith



### Area of application

exterior and interior, for accentuating windows and as a window sill, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

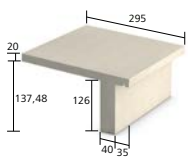
design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0, without shoulders, low weight, ecologically sound

### Notes

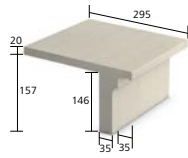
reaction to fire, in accordance with EN 13501-1, in the defined range in accordance with classification report MPA Stuttgart 902 6199 000-06k, reaction to fire on external wall insulation systems in accordance with EN 13501-1, in the defined area in accordance with classification report MA 39 - VFA 2014-1649.01 (EWIS with mineral wool insulants) and MA 39 - VFA 2014-1649.02 (EWIS with EPS insulants), order quantity: by box, 2 pieces per box



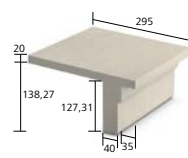
<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	see collection drawings
<b>Appearance</b>	see collection drawings
<b>Application</b>	fixing by bonding



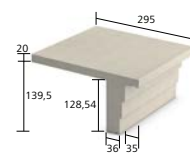
type A 103 L



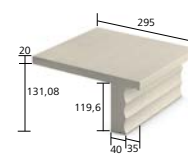
type B 103 L



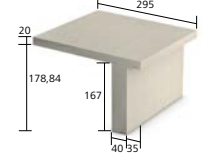
type C 103 L



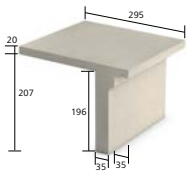
type D 103 L



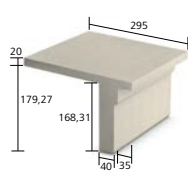
type E 103 L



type A 106 L



type B 106 L



type C 106 L



type D 106 L



type E 106 L



## StoDeco Line F

Window sill extension/cornice made of Verolith



### Area of application

exterior and interior, for accentuating building apertures and/or for horizontal and vertical structuring of facades, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

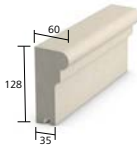
coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0, design element based on a mineral granulate consisting of hollow silicate microspheres, without shoulders on the right and/or shoulders on the left-hand side



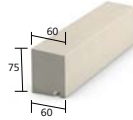
<b>Approx. consumption</b>	length: 1200 mm	0.83 pcs./m
	length: 1800 mm	0.56 pcs./m
	length: 2400 mm	0.42 pcs./m
<b>Format</b>	type FA 70 x 146 mm type FB 60 x 128 mm type FC 60 x 75 mm type FD 60 x 145 mm type FE 50 x 75 mm length: 1200 mm, 1800 mm, 2400 mm N - normal version RV - shoulders on the right-hand side LV - shoulders on the left-hand side BV - shoulders on both sides	
<b>Appearance</b>	see collection drawings	
<b>Application</b>	fixing by bonding, if the projection/element thickness is $D \geq 50$ mm, additional mechanical fixing is necessary	



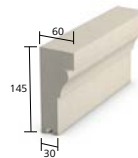
type FA



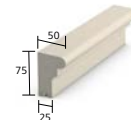
type FB



type FC



type FD



type FE



## StoDeco Panel S

Panel made of Verolith



### Area of application

exterior and interior, for decorating large areas of facade, for creating rusticated facades with accentuated joints, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

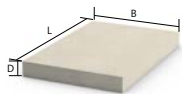
design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0, low weight, ecologically sound, simple and fast installation

### Notes

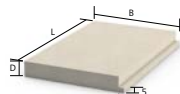
reaction to fire, in accordance with EN 13501-1, in the defined range in accordance with classification report MPA Stuttgart 902 6199 000-06k, reaction to fire on external wall insulation systems in accordance with EN 13501-1, in the defined area in accordance with classification report MA 39 - VFA 2014-1649.01 (EWIS with mineral wool insulants) and MA 39 - VFA 2014-1649.02 (EWIS with EPS insulants), max. format per element: 0.96 m<sup>2</sup>, max. weight per element: 35 kg, for possible formats, see the overview of StoDeco Panel facade elements in the standard range, the articles are not kept in storage, please note longer delivery times, delivery time on request, not suitable for large-area use on StoTherm Cell and StoTherm Wood



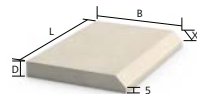
<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	for element thicknesses of 15, 20, 25, 30, 35, and 40 mm, an element length of max. 2400 mm and an element width of max. 1200 mm is possible (max. format: 0.96 m <sup>2</sup> ) for element thicknesses of 50, 60, 70, 80, 90, and 100 mm, an element length of max. 2400 mm and an element width of max. 1050 mm is possible (max. format: 0.96 m <sup>2</sup> )
<b>Appearance</b>	different edge types and formats
<b>Application</b>	fixing by bonding, if the projection/element thickness is $D \geq 50$ mm, additional mechanical fixing is necessary



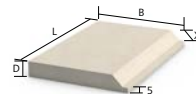
type G - straight



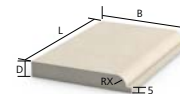
type K - edge



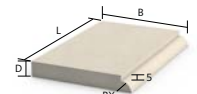
type F - bevel



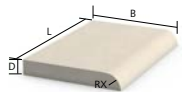
type T - trapezoid



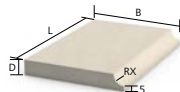
type RK - radius edge



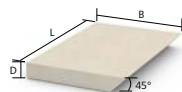
type KR - edge radius



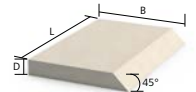
type R - radius



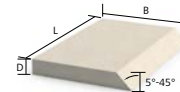
type H - fillet



type GA - mitre edge,  
external corner



type GI - mitre edge,  
internal corner



type SV - variable slope



## StoDeco Panel SF

Window sill cover made of Verolith



### Area of application

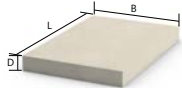
exterior and interior, as window sill (cover), on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

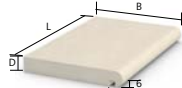
design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0, low weight, ecologically sound



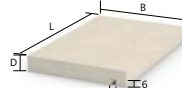
<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	for element thicknesses of 15, 20, 25, 30, 35, and 40 mm, an element length of max. 2400 mm and an element width of max. 1200 mm is possible (max. format: 0.96 m <sup>2</sup> ) for element thicknesses of 50, 60, 70, 80, 90, and 100 mm, an element length of max. 2400 mm and an element width of max. 1050 mm is possible (max. format: 0.96 m <sup>2</sup> )
<b>Appearance</b>	different edge types and formats
<b>Application</b>	fixing by bonding, if the projection/element thickness is D ≥ 50 mm, additional mechanical fixing is necessary



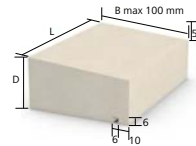
type G - straight



type A - cover



type W - water drip



type L - drip edge

## StoDeco Plan

Facade panel made of Verolith



### Area of application

exterior and interior, for individual facade designs, onto solid substrates, external wall insulation systems or ventilated rainscreen cladding systems, for cutting the fitting pieces to size

### Properties

design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0

### Notes

reaction to fire, in accordance with EN 13501-1, in the defined range in accordance with classification report MPA Stuttgart 902 6199 000-06k, reaction to fire on external wall insulation systems in accordance with EN 13501-1, in the defined area in accordance with the classification report MA 39 – VFA 2014-1649.01 (EWIS with mineral wool insulants) and MA 39 – VFA 2014-1649.02 (EWIS with EPS insulants), per element: max. 0.96 m<sup>2</sup>, max. 35 kg, possible formats are analogous to the overview of StoDeco Panel facade elements in the standard range, delivery time on request, maximum formats suitable for application are analogous to the overview of possible formats in the area of StoDeco Rustications, adhesion tests are required in advance



<b>Approx. consumption</b>	2420 x 1210 mm	0.34 pcs./m <sup>2</sup>
	2440 x 1080 mm	0.38 pcs./m <sup>2</sup>
<b>Format</b>	2420 x 1210 mm in the thicknesses: 15, 20, 25, 30, 35 and 40 mm 2440 x 1080 mm in the thicknesses: 50, 60, 70, 80, 90 and 100 mm	





## StoDeco Line

Bespoke linear facade element made of Verolith



### Area of application

exterior and interior, for accentuating building apertures and/or for horizontal and vertical structuring of facades, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0, low weight, ecologically sound, simple and fast installation



<b>Appearance</b>	ledges in many different shapes which are produced to order; frame profiles, ledges, arches, ornaments, columns, half-columns, etc.
<b>Application</b>	fixing by bonding, if the projection/element thickness is $D \geq 50$ mm, additional mechanical fixing is necessary

## StoDeco Panel

Bespoke panel made of Verolith



### Area of application

exterior and interior, for decorating large areas of facade, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0



<b>Format</b>	for element thicknesses of 15, 20, 25, 30, 35, and 40 mm, an element length of max. 2400 mm and an element width of max. 1200 mm is possible (max. format: 0.96 m <sup>2</sup> ) for element thicknesses of 50, 60, 70, 80, 90, and 100 mm, an element length of max. 2400 mm and an element width of max. 1050 mm is possible (max. format: 0.96 m <sup>2</sup> )
<b>Appearance</b>	textured and/or with different edge types
<b>Application</b>	fixing by bonding, if the projection/element thickness is $D \geq 50$ mm, additional mechanical fixing is necessary

## StoDeco Element

Bespoke sculptural shape made of Verolith



### Area of application

exterior and interior, for selective structuring of facades, on solid substrates, external wall insulation systems, and ventilated rainscreen cladding systems

### Properties

design element based on a mineral granulate consisting of hollow silicate microspheres, coloured decoration by applying corresponding paint coat, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0



<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Appearance</b>	geometric shapes and alphanumerical symbols
<b>Application</b>	fixing by bonding, if the projection/element thickness is $D \geq 50$ mm, additional mechanical fixing is necessary

## Fixing

### StoDeco Screw-In Anchor LZ 10

All-purpose anchor for fixing StoDeco Profiles



### Area of application

for additional fixing of larger Deco profiles, for anchoring in all commonly available wall materials

### Notes

2 items/profile are generally required, foam caps included, bit type T40

<b>Format</b>	ø 10 mm
<b>Application</b>	anchorage depth: 70 mm, (in a load-bearing substrate)



### StoDeco Screw-In Anchor LZ 14

All-purpose anchor for fixing StoDeco Profiles



**Area of application**

for additional fixing of larger Deco profiles, for anchoring in all commonly available wall materials

**Notes**

2 items/profile are generally required, foam caps included

<b>Approx. consumption</b>	2 pcs./pcs.
<b>Format</b>	ø 14 mm
<b>Application</b>	anchorage depth: 70 mm, (in a load-bearing substrate)

### StoDeco Cap

Caps made of Verolith granulate for covering StoDeco Screw-In Anchors



**Area of application**

for covering recessed StoDeco screw-in anchors



<b>Approx. consumption</b>	1.00 pcs./pcs.
<b>Format</b>	StoDeco Screw-In Anchor LZ 10: ø 20 mm, StoDeco Screw-In Anchor LZ 14: ø 30 mm thickness: 5 mm
<b>Colour shade</b>	white

### Priming coat

#### Sto-Primer

Filled, pigmented, organic undercoat



**Area of application**

exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

**Properties**

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

**Notes**

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	

#### StoColor S

Facade paint on an emulsion base, filled, with brush render appearance



**Area of application**

exterior, for fine or coarse brush render textures

**Properties**

water vapour permeable, good filling capacity, low-tension

**Notes**

with encapsulated film protection

<b>Approx. consumption</b>	0.30 - 0.40 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt fine or coarse filling
<b>Colour shade</b>	white 
<b>Application</b>	



## Finishing coat

### StoColor Maxicryl

Facade paint for maximum colour shade variety and stability



#### Area of application





exterior, for paint coats with intense colour shades on mineral and organic substrates

#### Properties

texture-retaining, very highly water-repellent, water vapour permeable, alkali-resistant, very good adhesion, pure acrylate binding agent, especially for intense colour shades

#### Notes

with encapsulated film protection

<b>Approx. consumption</b>	0.15 - 0.18 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt
<b>Colour shade</b>	white 
<b>Application</b>	  

### StoColor Dryonic®

Facade paint with Dryonic® Technology, biomimetic principle for dry facades against algae and fungal attacks, without biocide film protection







#### Area of application

exterior, on mineral and organic substrates, on EWIS, on almost all conventional construction substrates, on sloping substrates not sensitive to humidity up to an inclination of 45°, project-specific consultation is necessary for EWIS with inclined surfaces, on concrete, on trapezoidal profiled sheet facades (e.g. coated using the coil coating method), on galvanised metal substrates (e.g. rainwater pipes), on fibre cement facades, on high pressure laminate facades, also suitable for roofs with an inclination > 3°, e.g. cement bricks, clay bricks, fibre cement (asbestos-free), sheet metal coverings

#### Properties

biomimetic principle for fastest drying after rain or dew formation, also available with X-black Technology: heat shield against solar heating, highest whiteness, high level of colour shade variety and stability, minimum extender material breakdown (not easily scuffed), high level of resistance to mechanical stress, texture-retaining, pure acrylate binding agent, CO<sub>2</sub> diffusion: class C1 in accordance with EN 1062-1, very good hiding power, water vapour permeable, alkali-resistant, very good adhesion to all substrates commonly used in construction, without biocide film protection



<b>Approx. consumption</b>	0.12 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt (G3) in accordance with EN 1062-1 depending on the angle, the surface seems silk matt
<b>Colour shade</b>	white 
<b>Application</b>	  



# Cladding system StoGlass Mosaic

## Facade with single-colour and motif-forming glass mosaics

### Overview Cladding system StoGlass Mosaic

<b>Area of application</b>	<ul style="list-style-type: none"> <li>exterior and interior</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>external wall insulation systems, ventilated rainscreen cladding systems, or massive substrates</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>bonding with StoColl KM</li> <li>white for light colours, otherwise grey</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>resistant to mechanical stress</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>40 different colour shades</li> <li>further colour shades possible on request</li> <li>thickness: 4 or 8 mm</li> <li>format: 50 x 50 mm</li> <li>format: 25 x 50 mm</li> <li>format: 25 x 25 mm</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>see Sto Collection</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>Bond the cladding directly to the system reinforcement by applying adhesive to one side only in accordance with DIN EN 12004 ("floating-buttering method") and fill and smooth the joints.</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



### Bonding

#### StoColl KM

Mineral, flexible grout for brick slips, ceramic, natural stone tiles, and glass mosaic



#### Area of application

exterior and interior, as a grout (flexible adhesive) for suitable brick slips, ceramic and natural stone tiles, and glass mosaic, for bonding StoPanel Plus, on StoLevell Uni mineral reinforcing mortar, on organic reinforcing mortar with intermediate coat (StoPrep Contact)

#### Properties

excellent adhesive bond, resistant to frost and weathering, optimum non-sag properties, meets C1TE requirements in accordance with EN 12004

<b>Approx. consumption</b>	3.50 - 4.50 kg/m <sup>2</sup> bonding
	1.20 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	grey, white
<b>Application</b>	application to both surfaces (back-buttering method)



## Cladding

### StoGlass Mosaic

Coloured glass mosaic tiles



#### Area of application

exterior, as facade cladding on the external wall insulation systems StoTherm Vario, StoTherm Mineral and StoTherm Mineral L, as facade cladding on StoVentec M, the ventilated rainscreen cladding system, consisting of bonding and pointing mortar, as well as glass mosaic

#### Properties

high dimensional accuracy, depth effect, frost-resistant, water absorption: < 0.5 %, rear side adhesion-promoting agents fused with glass

#### Notes

packaging unit: box

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	thickness of the mosaic tile, specified in mm: 4 or 8, tolerance: +/- 0.5 size of the mosaic tile, specified in mm: nominal dimension: standard format 50 x 50 or 25 x 25, special format 50 x 25 manufacturing dimension: standard format 47.5 x 47.5 or 22.5 x 22.5, special format 47.5 x 22.5 size of the mosaic sheet, specified in mm: nominal dimension: standard format 300 x 300 manufacturing dimension: standard format 297.5 x 297.5; tolerance +/- 0.5
<b>Colour shade</b>	Bright White, Pergamon, Florence brown, Hazelnut, Brown, Cotto, Chocolate, Mocca, Black, Royal blue, Steel blue, Sky blue, Shining blue, Surf, Ice, Cloud blue, Turquoise, Venice blue, Ireland green, Emerald, Olive green, Highland green, Grey stone, Clear grey, Manhattan, London blue, Dark grey, Amethyst, Burgundy, Red, Orange, Mandarin, Corn, Lime, Champagne, Nude, Lavender, Berry red, Lemon grass, Sugar rose
<b>Application</b>	joint width 2.5 mm (-0.5 / +1.5 mm), full-surface bonding in the adhesive bed without entrapped air, other joint widths are available on request



Bright white



Pergamon



Florence brown



Hazelnut



Brown



Cotto



Chocolate



Mocca



Black



Royal blue



Steel blue



Sky blue



Shining blue



Surf



Ice



Cloud blue



Turquoise



Venice blue



Ireland green



Emerald



Olive green



Highland green



Stone grey



Clear grey



Manhattan



London blue



Dark grey



Amethyst



Burgundy



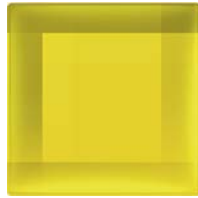
Red



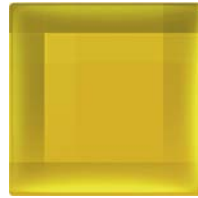
Orange



Mandarin



Corn



Lime



Champagne



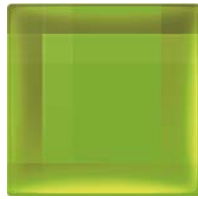
Nude



Lavender



Berry red



Lemon grass



Sugar rose



## Pointing

### StoColl FM-K

Mineral pointing mortar for brick slips and natural stone tiles with a jointing trowel



#### Area of application

exterior, for trowel-pointing ceramic claddings and natural stone tiles, e.g. grained brick slips or blasted natural stone tiles, in StoTherm and StoVentec systems with approval for ceramic claddings and natural stone tiles, for walls and facades, for subsequent pointing of fair-faced masonry, e.g. narrow brick slips, fair-faced bricks, facade brick slips, and cast stones

#### Properties

weather-resistant, frost-proof, breathable, resistant to driving rain, good application properties, extremely water-repellent, pointing mortar in accordance with EN 998-2, pointing mortar in accordance with DIN EN 13888 CG2 W

#### Notes

always order the entire amount required for a project at the same time (this applies particularly to tinted material), always produce the exact same mixing ratio, colour shade deviations cannot be excluded, the consumption values apply for brick slips with a joint width of 12 mm, consumption, colour shade, and appearance depend on the format, bond, and thickness of the brick slips and tiles, and from the mixing ratio, joint width, and joint depth, Always create a sample surface area, in order to determine the consumption and workability, get an impression of the appearance, and test the flank adhesion with the selected mixing ratio., the workability must be tested on a sample surface area

<b>Approx. consumption</b>	5.00 - 6.00 kg/m <sup>2</sup> NF (normal format) 71 x 240 x 14
	4.00 - 5.00 kg/m <sup>2</sup> NF (normal format) 71 x 240 x 11
	6.00 - 7.00 kg/m <sup>2</sup> DF 52 x 240 x 14
	5.00 - 6.00 kg/m <sup>2</sup> DF 52 x 240 x 11
<b>Colour shade</b>	natural white, dark grey, grey, anthracite, grey-white, beige-white, silver-grey, sand beige, red-grey, orange, light brick-red, dark brick-red, Project-specific special colour shades available on request.



StoColl FM-K grey



StoColl FM-K dark grey



StoColl FM-K silver grey



StoColl FM-K anthracite



StoColl FM-K grey white



StoColl FM-K beige white



StoColl FM-K natural white



StoColl FM-K sand beige



StoColl FM-K red grey



StoColl FM-K orange



StoColl FM-K brick-red, dark



StoColl FM-K brick-red, light



## StoColl FM-S

Mineral universal pointing mortar for slurry pointing brick slips and tiles made of ceramics, natural stone and glass



### Area of application

exterior, for the slurry grouting of suitable brick strips, ceramic tiles, natural stone tiles, and glass tiles with smooth, non-absorbent surfaces, in StoTherm and StoVentec systems with approval for ceramic claddings and natural stone tiles, for walls and facades, for subsequent pointing of fair-faced masonry, e.g. narrow brick slips, fair-faced bricks, facade brick slips, and cast stones

### Properties

weather-resistant, frost-proof, breathable, resistant to driving rain, pliable, therefore easy to apply, low shrinkage deformation, crack-free, very easy to wash afterwards, pointing mortar in accordance with DIN EN 13888 CG2 WA

### Notes

always order the entire amount required for a project at the same time (this applies particularly to tinted material), always produce the exact same mixing ratio, colour shade deviations cannot be excluded, the consumption values apply for brick slips with a joint width of 12 mm, consumption, colour shade, and appearance depend on the format, bond, and thickness of the brick slips and tiles, and from the mixing ratio, joint width, and joint depth, Always create a sample surface area, in order to determine the consumption and workability, get an impression of the appearance, and test the flank adhesion with the selected mixing ratio., the workability must be tested on a sample surface area

<b>Approx. consumption</b>	3.00 - 5.00 kg/m <sup>2</sup> for smooth split tiles and ceramic coverings
<b>Colour shade</b>	silver grey, manhattan, sand grey, grey, dark grey, anthracite, Project-specific special colour shades available on request.



StoColl FM-S silver grey



StoColl FM-S manhattan



StoColl FM-S sand grey



StoColl FM-S grey



StoColl FM-S dark grey



StoColl FM-S anthracite



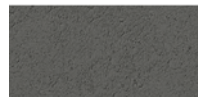
StoColl FM-S grey K



StoColl FM-S dark grey K



StoColl FM-S silver grey K



StoColl FM-S anthracite K



StoColl FM-S grey white



StoColl FM-S beige white



StoColl FM-S natural white



StoColl FM-S sand beige



StoColl FM-S red grey



StoColl FM-S brick-red, dark



StoColl FM-S brick-red, light



StoColl FM-S orange





## Accessories

### Sto-Transition Profile for Ceramics

Profile to produce a transition from the render to the ceramic tiles



**Area of application**

to create a horizontal water-draining transition between render and ceramics

**Properties**

made of stainless steel

**Notes**

delivery form: 2.5 m/item

<b>Approx. consumption</b>	1.00 m/m project-specific
<b>Format</b>	projection: 17, 20, 23, 26, 30 mm length: 250 cm
<b>Appearance</b>	bare

### Sto-Expansion Joint Tape

Compressed sealing tape made of impregnated flexible foam for structural expansion joints



**Area of application**

exterior, for waterproofing structural expansion joints, for joint widths (internal width plus movement capability) from 10-18 mm, 13-24 mm, 17-32 mm, and 28-40 mm

**Properties**

fully impregnated, self-expanding, self-adhesive

**Notes**

stress group BG 1 in accordance with DIN 18542, resistance to driving rain is only assured if the joint width is within the area of application (e.g. 13-24 mm), delivery form: roll, length of the roller cover depends on the tape width

<b>Approx. consumption</b>	Type 1	1.02 m/m
<b>Format</b>	width of the tape / joint width (area of application): 25 mm / 10-18 mm 30 mm / 13-24 mm 37 mm / 17-32 mm 47 mm / 28-40 mm	
<b>Colour shade</b>	anthracite, light grey	

### Sto-Expansion Joint Profile E

Profile for structural expansion joints where the wall surfaces are level



**Area of application**

exterior, for forming structural expansion joints between level wall surfaces in facade insulation systems, for joint widths of 20-30 mm

**Properties**

made of plastic, with a stable, mesh-reinforced, expanding joint cover, with a ridge for even smoothing, with integrated glass fibre mesh, weather-resistant, UV-resistant, can be combined with the Sto-Expansion Joint Cover E

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	profile: white, expanding joint cover: dark grey

### Sto-Expansion Joint Profile V

Profile for structural expansion joints where the wall surfaces are offset



**Area of application**

exterior, for forming structural expansion joints between offset wall surfaces in facade insulation systems, for joint widths of 20-30 mm

**Properties**

made of plastic, with a stable, mesh-reinforced, expanding joint cover, with a ridge for even smoothing, with integrated glass fibre mesh, weather-resistant, UV-resistant, can be combined with the Sto Expansion Joint Cover V

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm
<b>Colour shade</b>	profile: white, expanding joint cover: dark grey

### Sto-Backing Rod

Cylindrical profile made of closed-cell polyethylene foam as joint backing strip



**Area of application**

for filling the backs of joints that are later to be filled with sealant, to prevent joint sealants from adhering on three sides

**Properties**

water-repellent, elastic

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	cylindrical profile



## OTTOSEAL S70

Natural stone silicone



### Area of application

exterior and interior, sealing and pointing of marble and all natural stones, waterproofing of expansion joints on facades

### Properties

highly elastic, optimum non-sag properties, moisture-curing

### Notes

maximum joint width: 30-35 mm at a maximum joint depth of 15 mm, does not cause any migratory soiling on natural stones, The current Technical Data Sheet can be found at [www.otto-chemie.de](http://www.otto-chemie.de).

<b>Format</b>	310 ml cartridge
<b>Colour shade</b>	see article
<b>Application</b>	with matching sealant gun (same as StoSeal F 505)



# Cladding system StoEcoShape

## Facades with customised, prefabricated render elements

### System advantages

- form, texture and colour can be customised
- bonding and pointing with one product
- installation is possible on curved surfaces



### Overview Cladding system StoEcoShape

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• exterior</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• external wall insulation systems, ventilated rainscreen cladding systems, or massive substrates</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding with Sto-Bonding and Pointing Mortar</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• according to customer specifications</li> <li>• colour shade: plain colours or up to two mixed colour shades</li> <li>• texture: smooth, rough, regular, uneven, or a combination of two textures (e.g. roller and comb texture)</li> <li>• aggregates: up to two different toppings (e.g. natural sand mixtures or silicon carbide)</li> <li>• special textures and aggregates possible on request</li> <li>• min. length: 30 mm, max. length: 840 mm</li> <li>• min. width: 30 mm, max. width: 420 mm</li> <li>• min. thickness: 4 mm, max. thickness: 8 mm</li> <li>• special dimensions on request</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• in accordance with the Architectural Colours colour fan</li> <li>• further colour shades possible on request</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• Bond and point prefabricated render elements directly onto the system reinforcement.</li> <li>• No additive mortar application is necessary for pointing. Smooth the Sto-Bonding and Pointing Mortar which was applied to the joints during bonding using only a flat paint brush.</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.

### System description of Sto-EcoShapes

<b>Substrate</b>	RSC, EWIS, or solid substrate
<b>Bonding</b>	<b>Sto-Bonding and Pointing Mortar</b>
<b>Cladding</b>	<b>Sto-EcoShapes</b>
<b>Pointing</b>	<b>Sto-Bonding and Pointing Mortar<sup>1)</sup></b>

<sup>1)</sup> No additive application necessary. Smooth the mortar in the joints using only a flat paint brush.



## Priming coat

### Sto-Primer

Filled, pigmented, organic undercoat



#### Area of application

exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

#### Properties

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

#### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Bonding

### Sto-Bonding and Pointing Mortar

Organic, cement-free bonding mortar for bonding and pointing StoCleyer B and StoEcoshape



#### Area of application

exterior, as a bonding and pointing mortar for StoCleyer B and StoEcoshape

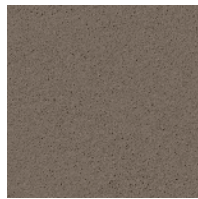
#### Properties

thin-layer application

<b>Approx. consumption</b>	3.00 - 3.50 kg/m <sup>2</sup> as adhesive compound for resin brick slips
<b>Colour shade</b>	anthracite (2057 A), brown (2064 A), brown-grey (2063 A), graphite (2061 A), grey (2060 A), light grey (2059 A), sand yellow (2062 A), white (2056 A), cement-grey (2058 A), further colour shades on request



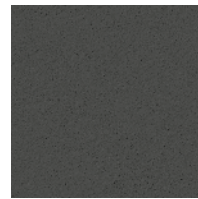
anthracite (2057 A)



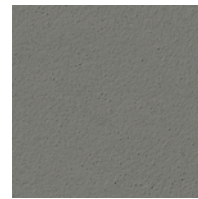
brown (2064 A)



brown-grey (2063 A)



graphite (2061 A)



grey (2060 A)



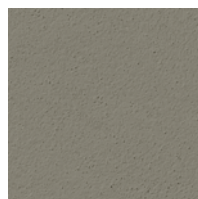
light grey (2059 A)



sand yellow (2062 A)



white (2056 A)



cement-grey (2058 A)



## Cladding

### StoEcoshape

Prefabricated render elements, configurable shape and surface



#### Area of application

exterior, as cladding, on external wall insulation systems, rainscreen cladding facades, and solid substrates

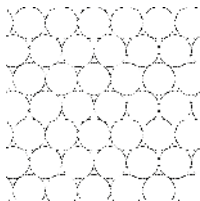
#### Properties

render elements in various formats and looks for facade insulation systems, for customised facade decoration, maximum shock resistance, maximum impact resistance

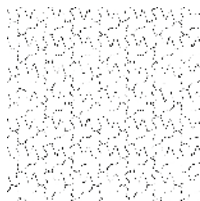
#### Notes

prefabricated corner elements: available on request depending on the format

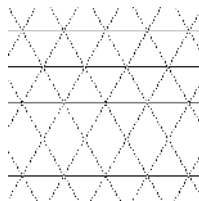
<b>Format</b>	length: minimum 30 mm, maximum 840 mm width: minimum 30 mm, maximum 420 mm thickness: minimum 4 mm, maximum 8 mm special shapes on request
<b>Appearance</b>	according to customer specifications optional: prefabricated render element in universal colours with additional colour shades texture: smooth, rough, regular, or irregular textures combined texture: maximum two different combinations, e.g. roller sleeve, comb special texture: on request aggregates: maximum two different granulates, e.g. StoEffect Vetro, silicon carbide
<b>Colour shade</b>	colour shades on request



circle



amorphous



Polygon

## Pointing

### Sto-Bonding and Pointing Mortar

Organic, cement-free bonding mortar for bonding and pointing StoCleyer B and StoEcoshape



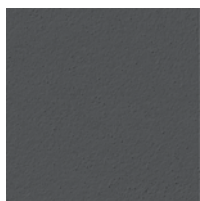
#### Area of application

exterior, as a bonding and pointing mortar for StoCleyer B and StoEcoshape

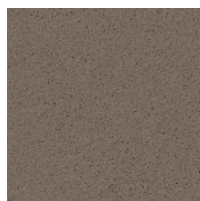
#### Properties

thin-layer application

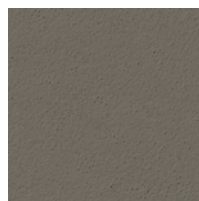
<b>Approx. consumption</b>	3.00 - 3.50 kg/m <sup>2</sup> as adhesive compound for resin brick slips
<b>Colour shade</b>	anthracite (2057 A), brown (2064 A), brown-grey (2063 A), graphite (2061 A), grey (2060 A), light grey (2059 A), sand yellow (2062 A), white (2056 A), cement-grey (2058 A), further colour shades on request



anthracite (2057 A)



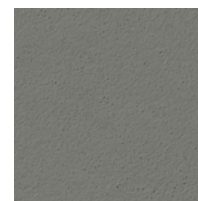
brown (2064 A)



brown-grey (2063 A)



graphite (2061 A)



grey (2060 A)



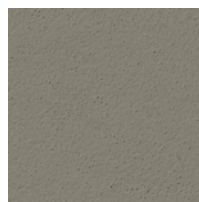
light grey (2059 A)



sand yellow (2062 A)



white (2056 A)



cement-grey (2058 A)



# Cladding system StoCleyer B

## Facades with resin brick slips, optimised for insulation systems

### System advantages

- brick look in accordance with customer specification or original template possible
- bonding and pointing with one product

### Overview Cladding system StoCleyer B

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• exterior</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• external wall insulation systems, ventilated rainscreen cladding systems, or massive substrates</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding with Sto-Bonding and Pointing Mortar</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• 89 different stones</li> <li>• smooth, rough, regular, or unregular texture possible</li> <li>• Sto-Bonding and Pointing Mortar available in 9 standard colour shades, special shades on request</li> <li>• natural stone tiles, glass mosaic, bricks, ceramic tiles</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• see StoCleyer B range</li> <li>• further colour shades in accordance with customer specification or original template possible</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• Bond and point prefabricated render elements directly onto the system reinforcement.</li> <li>• No additive mortar application is necessary for pointing. Smooth the Sto-Bonding and Pointing Mortar which was applied to the joints during bonding using only a flat paint brush.</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



### System description of cladding system StoCleyer B

<b>Substrate</b>	RSC, EWIS, or solid substrate
<b>Bonding</b>	Sto-Bonding and Pointing Mortar
<b>Cladding</b>	StoCleyer B
<b>Pointing</b>	Sto-Bonding and Pointing Mortar <sup>1)</sup>

<sup>1)</sup> No additive application necessary. Smooth the mortar in the joints using only a flat paint brush.



## Priming coat

### Sto-Primer

Filled, pigmented, organic undercoat



#### Area of application



exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

#### Properties

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

#### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Bonding

### Sto-Bonding and Pointing Mortar

Organic, cement-free bonding mortar for bonding and pointing StoCleyer B and StoEcoshape



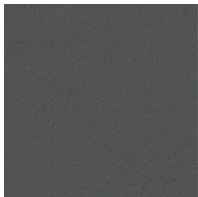
#### Area of application

exterior, as a bonding and pointing mortar for StoCleyer B and StoEcoshape

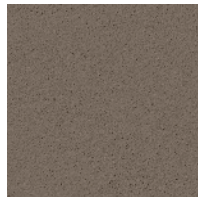
#### Properties

thin-layer application

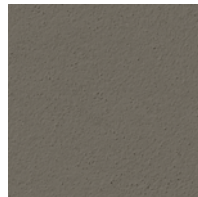
<b>Approx. consumption</b>	3.00 - 3.50 kg/m <sup>2</sup> as adhesive compound for resin brick slips
<b>Colour shade</b>	anthracite (2057 A), brown (2064 A), brown-grey (2063 A), graphite (2061 A), grey (2060 A), light grey (2059 A), sand yellow (2062 A), white (2056 A), cement-grey (2058 A), further colour shades on request



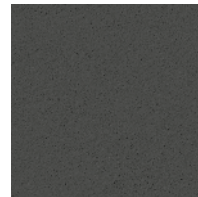
anthracite (2057 A)



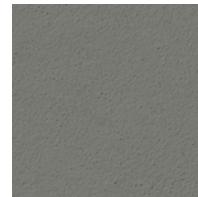
brown (2064 A)



brown-grey (2063 A)



graphite (2061 A)



grey (2060 A)



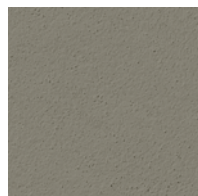
light grey (2059 A)



sand yellow (2062 A)



white (2056 A)



cement-grey (2058 A)



## Cladding

### StoCleyer B

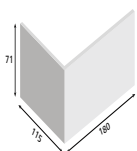
Resin brick slips, optimised for insulation systems

#### Area of application

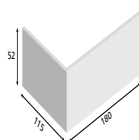
exterior, as cladding, on external wall insulation systems, rainscreen cladding facades, and solid substrates



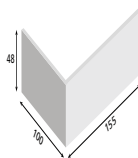
<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	<p>resin brick slips: length x height, dimensions in mm: 240 x 71, approx. 48 pieces/m<sup>2</sup> 240 x 52, approx. 64 pieces/m<sup>2</sup> 220 x 60, approx. 60 pieces/m<sup>2</sup> 215 x 65, approx. 58 pieces/m<sup>2</sup> 210 x 50, approx. 72 pieces/m<sup>2</sup> 210 x 48, approx. 76 pieces/m<sup>2</sup> 165 x 60, approx. 78 pieces/m<sup>2</sup> 155 x 50, approx. 97 pieces/m<sup>2</sup></p> <p>header (single header, EK): length x height, dimensions in mm: 115 x 71 (EK), approx. 96 pieces/m<sup>2</sup> 115 x 52 (EK), approx. 128 pieces/m<sup>2</sup> 102 x 65 (EK), approx. 116 pieces/m<sup>2</sup> 102 x 60 (EK), approx. 119 pieces/m<sup>2</sup> 100 x 50 (EK), approx. 144 pieces/m<sup>2</sup> 100 x 48 (EK), approx. 152 pieces/m<sup>2</sup></p> <p>custom variant</p> <p>Corner resin brick slips (WR): 2/4 format (corner brick slips, WR): length / width x height, dimensions in mm: 100 / 100 x 50 (WR), approx. 16 pieces/m</p> <p>3/4 format (corner brick slips, WR): length / width x height, dimensions in mm: 180 / 115 x 71 (WR), approx. 12 pieces/m 180 / 115 x 52 (WR), approx. 16 pieces/m 165 / 100 x 60 (WR), approx. 14 pieces/m 161 / 102 x 65 (WR), approx. 13 pieces/m 155 / 100 x 50 (WR), approx. 16 pieces/m 155 / 100 x 48 (WR), approx. 17 pieces/m</p> <p>3/4 custom variant</p> <p>4/4 format (corner brick slips, WR): length / width x height, dimensions in mm: 240 / 115 x 71 (WR), approx. 12 pieces/m 240 / 115 x 52 (WR), approx. 16 pieces/m 220 / 100 x 60 (WR), approx. 14 pieces/m 215 / 102 x 65 (WR), approx. 13 pieces/m 210 / 100 x 50 (WR), approx. 16 pieces/m 210 / 100 x 48 (WR), approx. 17 pieces/m</p> <p>4/4 custom variant</p> <p>lintel resin brick slips (SW): length x width / height, dimensions in mm: 240 x 115 x 71 (SW), approx. 4 pieces/m 240 x 115 x 52 (SW), approx. 4 pieces/m 220 x 100 x 60 (SW), approx. 4.3 pieces/m 215 x 102 x 65 (SW), approx. 4.4 pieces/m 210 x 100 x 50 (SW), approx. 4.5 pieces/m 210 x 100 x 48 (SW), approx. 4.5 pieces/m</p> <p>custom variant</p>
<b>Colour shade</b>	see range overview
<b>Application</b>	Bond the resin brick slips directly to the system reinforcement and point the joints.



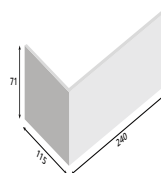
180 / 115 x 71



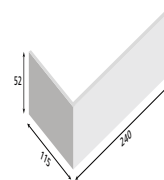
180 / 115 x 52



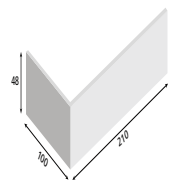
155 / 100 x 48



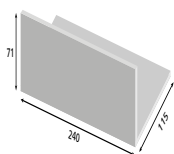
240 / 115 x 71



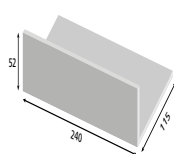
240 / 115 x 52



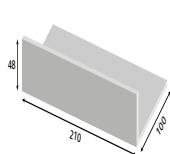
210 / 100 x 48



240 x 115 x 71



240 x 115 x 52



210 x 100 x 48





11130



11140



11150



11160



11180



11220



11230



11460



11470



11710



11720



11800



11810



11820



11830



11850



11860



11920



21130



21450



21460



21700



21750



21760



21770



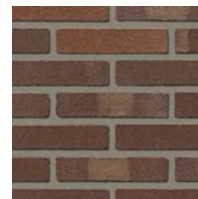
21800



21820



21830



21840



21850



21870



31140



31150



31160



31180



31190



31490



31720



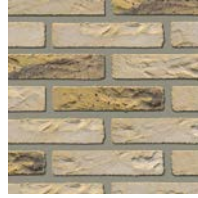
31730



41850



51220



61460



61470



61710



61740



61810



61860



71130



71140



71180



71190

## Pointing

### Sto-Bonding and Pointing Mortar

Organic, cement-free bonding mortar for bonding and pointing StoCleyer B and StoEcoshape



**Area of application**

exterior, as a bonding and pointing mortar for StoCleyer B and StoEcoshape

**Properties**

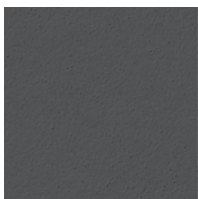
thin-layer application

**Approx. consumption**

3.00 - 3.50 kg/m<sup>2</sup> as adhesive compound for resin brick slips

**Colour shade**

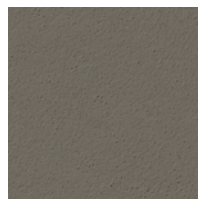
anthracite (2057 A), brown (2064 A), brown-grey (2063 A), graphite (2061 A), grey (2060 A), light grey (2059 A), sand yellow (2062 A), white (2056 A), cement-grey (2058 A), further colour shades on request



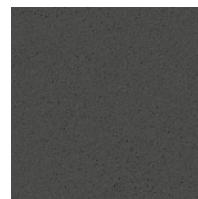
anthracite (2057 A)



brown (2064 A)



brown-grey (2063 A)



graphite (2061 A)



grey (2060 A)



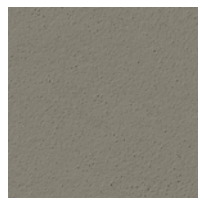
light grey (2059 A)



sand yellow (2062 A)



white (2056 A)



cement-grey (2058 A)



## Priming coat

### Sto-Primer

Filled, pigmented, organic undercoat



#### Area of application


exterior, on mineral and organic substrates, for organic and silicone resin renders, for modified, mineral renders, for dispersion silicate renders, for finishing renders with Lotus-Effect® Technology

#### Properties

adhesion-promoting, absorbency-regulating, prolongs the open time of the finishing render during application, alkali-resistant, permeable to water vapour and CO<sub>2</sub>, pigmented

#### Notes

only weather-resistant to a limited extent without a finishing coat

<b>Approx. consumption</b>	0.30 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	filled
<b>Colour shade</b>	white 
<b>Application</b>	 

## Bonding

### StoArmat Classic plus F/M/G

Organic, cement-free reinforcing compound/base coat



#### Area of application




exterior, on mineral and organic substrates, as a reinforcing compound/base coat for StoTherm Classic®, as a reinforcing compound/base coat for StoVentec facades, as a levelling filler, as a renovation filler

#### Properties

cement-free, ready-to-use, very good application properties, high application reliability, good filling properties, excellent application properties

#### Notes

crack extension: approx. 2 %, Impact resistance: > 15 joules are possible with appropriate system build-up.

<b>Approx. consumption</b>	3.50 - 9.50 kg/m <sup>2</sup> as reinforcing compound on EPS foam boards 4.50 - 10.00 kg/m <sup>2</sup> as reinforcing compound on mineral wool insulation boards
<b>Colour shade</b>	white 
<b>Application</b>	 

## Cladding

### StoCleyer W

Timber resin brick slips, optimised for insulation systems



#### Area of application

exterior, not suitable for horizontal or sloping surfaces that are exposed to weather conditions, facade panels in timber appearance for facade insulation systems, on mineral and organic substrates

#### Properties

shock-proof and impact-resistant, cement-free, good application properties

#### Notes

The product is not available outside Europe.

<b>Approx. consumption</b>	1 m <sup>2</sup> /m <sup>2</sup> StoCleyer W
<b>Format</b>	200 x 16 cm, approx. 2 mm thick 25 pieces/box
<b>Appearance</b>	authentic timber appearance colouring by applying an appropriate glaze coating
<b>Colour shade</b>	white/natural

# Cladding system StoCleyer W

## Facades with timber resin brick slips, optimised for insulation systems

### System advantages

- Authentic timber appearance
- More cost-effective and durable than real wood
- Hard-wearing and easy to maintain
- Without sub-construction and easy connection to external wall insulation systems with polystyrene, stone wool insulation boards, and stone wool insulation lamellas
- Simple application
- Can be painted in many colours



### Overview cladding system StoCleyer W

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• exterior</li> <li>• interior</li> <li>• for the exclusive design of timber effect facade surfaces</li> <li>• optimised for insulation systems</li> </ul>
<b>Substrate</b>	<ul style="list-style-type: none"> <li>• on external wall insulation systems</li> <li>• on rainscreen cladding facades</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• bonding with StoArmat Classic Plus F</li> </ul>
<b>Impact resistance</b>	<ul style="list-style-type: none"> <li>• highly resistant to mechanical stress</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• timber effect panels</li> <li>• coatable with different colour systems within the available colour range</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• see StoCleyer B range</li> <li>• further colour shades in accordance with customer specification or original template possible</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• Bond the cladding directly onto the system reinforcement by application to both surfaces in accordance with DIN EN 12004 and point the joints.</li> </ul>

### System description of cladding system StoCleyer W

<b>Substrate</b>	RSC, EWIS or solid substrate
<b>Substrate coating</b>	Sto-Primer
<b>Bonding</b>	StoArmat Classic Plus F
<b>Cladding</b>	StoCleyer W
<b>Intermediate coat and finish</b> refer to chapter: Facade coatings · Facade paints	StoColor Dryonic® or StoColor Dryonic® S or StoAqua Top Satin



## Finishing coat

### StoColor Dryonic®

Facade paint with Dryonic® Technology, biomimetic principle for dry facades against algae and fungal attacks, without biocide film protection







#### Area of application

exterior, on mineral and organic substrates, on EWIS, on almost all conventional construction substrates, on sloping substrates not sensitive to humidity up to an inclination of 45°, project-specific consultation is necessary for EWIS with inclined surfaces, on concrete, on trapezoidal profiled sheet facades (e.g. coated using the coil coating method), on galvanised metal substrates (e.g. rainwater pipes), on fibre cement facades, on high pressure laminate facades, also suitable for roofs with an inclination > 3°, e.g. cement bricks, clay bricks, fibre cement (asbestos-free), sheet metal coverings

#### Properties

biomimetic principle for fastest drying after rain or dew formation, also available with X-black Technology: heat shield against solar heating, highest whiteness, high level of colour shade variety and stability, minimum extender material breakdown (not easily scuffed), high level of resistance to mechanical stress, texture-retaining, pure acrylate binding agent, CO<sub>2</sub> diffusion: class C1 in accordance with EN 1062-1, very good hiding power, water vapour permeable, alkali-resistant, very good adhesion to all substrates commonly used in construction, without biocide film protection



<b>Approx. consumption</b>	0.12 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt (G3) in accordance with EN 1062-1 depending on the angle, the surface seems silk matt
<b>Colour shade</b>	white 
<b>Application</b>	  

### StoAqua Top Satin

Block resistant, open-pored, water-dilutable lasure on an alkyd resin base



#### Area of application

exterior and interior, for new and old timber, for semi-dimensionally-stable and non-stable building elements, do not apply to damp or soiled substrates

#### Properties

high penetration capacity, biocide-free, resistant to moisture, UV-resistant due to transparent iron oxides, good renovation properties, non-drip



<b>Approx. consumption</b>	0.12 - 0.17 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	silk gloss in accordance with EN 13300
<b>Colour shade</b>	StoColor - RAL - wood colour shades
<b>Application</b>	





# Interior coatings

## 157 Substrate coatings

- 158 Deep-acting primers
- 159 Organic undercoats and intermediate paint coats
- 159 Silicate undercoats and intermediate paint coats

## 160 Fillers

- 160 Organic fillers
- 161 Silicate fillers
- 161 Mineral fillers

## 162 Plasters

- 164 Silicate finishing plasters
- 165 Organic finishing plasters
- 165 Mineral finishing plasters
- 166 Mineral decorative plasters/fillers

## 168 Interior paints

- 170 Premium paints
- 171 Hard-wearing paints
- 172 Rapid paints
- 173 Ecological paints
- 174 Standard paints
- 174 Functional paints
- 176 Tinting concentrates

## 176 Effect aggregates



Sto head office reception building, Stühlingen, DE  
Photo: Martin Baitinger, Böblingen, DE









## Overview of the substrate and intermediate coatings

Product	Substrates							
	Concrete	Lime paint/lime render	Lime/cement render	Cellular concrete	Emulsion paint/organic plaster	Silicate paint/render	Cement bonded wood particle board	Gypsum plasterboard
StoPrim Plex	■ ■	■	■ ■	■ ■	■	■		■ ■
StoPrim GT	■ ■	■	■ ■	■ ■	■	■ ■	□	■ ■
StoPrim Silicate	■ ■	□	■ ■	□		■ ■		
StoPrim Isol	■	□	■		■ ■	■ ■	■ ■	■ ■
StoPrim Color	■ ■	■ ■	■		■			■

## Overview of substrate coatings

Product	Properties					Solution			Design
	Binding agent base	Pigmented	Adhesion-promoting	Penetration capacity	Seal of approval	Absorbency-regulating	Isolating	Consolidating	Tintability
StoPrim Plex	organic		■	■ ■	  	■ ■		■	
StoPrim GT	silicate		■	■ ■	  	■ ■		■	
StoPrim Silicate	silicate		■	■ ■		■ ■		■	
StoPrim Isol	organic		■ ■	□	 	■ ■	■ ■	□	
StoPrim Color	organic	■ ■	■ ■	□	 	■			■

## Overview of undercoats and intermediate paint coats

Product	Properties					Solution			Design
	Binding agent base	Pigmented	Filled	Adhesion-promoting	Seal of approval	Absorbency-regulating	Isolating	Protection against moisture	Tintability
StoPrep In	organic	■	■	■ ■	 	■ ■			■
StoPrep Contact	water-based	■	■ ■	■ ■		■ ■			
StoPrep Sil	silicate	■	■	■ ■	  	■			■

■ ■ excellent  
 ■ good  
 □ to a limited extent

## Deep-acting primers

### StoPrim Plex

Water-based acrylate deep-acting primer, tested for harmful substances






#### Area of application

exterior and interior, on mineral and organic substrates and coatings

#### Properties

absorbency-regulating, surface-consolidating, adhesion-promoting, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.10 - 0.40 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	farblos
<b>Application</b>	  

### StoPrim GT

Acrylate silicate primer with gel technology for optimum roll and spray application



#### Area of application

interior, on mineral and organic substrates and coatings, for consolidating chalky but load-bearing existing paint coats and crumbling renders, for reducing the absorption capacity of gypsum plasterboards, porous and absorbent substrates, e.g. plasters, renders, unfired masonry or cellular concrete

#### Properties

absorbency-regulating, surface-consolidating, adhesion-promoting, very low drip tendency, even when working overhead, thanks to new gel technology, even material application, low-emission, high penetration capacity



<b>Approx. consumption</b>	0.10 - 0.40 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	farblos
<b>Application</b>	  

### StoPrim Silikat

Water-based, silicate deep-acting primer



#### Area of application

exterior and interior, on mineral substrates, as a priming coat before subsequent emulsion silicate coatings

#### Properties

silicate deep-acting primer, water-dilutable, absorbency-regulating, surface-consolidating, adhesion-promoting, good penetration capacity

#### Notes

dilute primer with water if necessary, so that it does not dry glossy, protect sensitive areas, e.g. glass, marble, varnished surfaces or those to be varnished



<b>Approx. consumption</b>	0.15 - 0.60 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	farblos
<b>Application</b>	  

### StoPrim Color

Tintable, solvent- and plasticiser-free, low-emission priming and intermediate coat on silicone-colloidal silica base







#### Area of application

exterior and interior, as a priming and intermediate paint coat on a silicone-colloidal silica base for firm, smooth, poorly- or non-absorbent substrates, such as existing paint coats, gypsum construction boards, or concrete

#### Properties

absorbency-regulating, solvent- and plasticiser-free, highly permeable to water vapour, extends the open time for subsequent coatings



<b>Approx. consumption</b>	0.1 - 0.13 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	white 
<b>Application</b>	  





## Organic undercoats and intermediate paint coats

### StoPrep In

Water-based primer for interiors, tested for harmful substances



#### Area of application

interior, on mineral and organic substrates for subsequent organic and mineral finishing plasters

#### Properties

adhesion-promoting, absorbency-regulating, diffusion-open, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.2 - 0.3 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt in accordance with EN 13300
<b>Colour shade</b>	white 
<b>Application</b>	

### StoPrep Contact

Bonding agent for smooth substrates



#### Area of application

exterior and interior, as a bonding agent for plasters and fillers on smooth, non-absorbent wall and ceiling areas, e.g. smooth concrete, wood particle boards, gypsum plasterboards, and ceramic tiles, suitable as a bonding agent for gypsum, lime, and lime-cement plaster

#### Properties

adhesion-promoting, filled, alkali-resistant

#### Notes

when using the product in exteriors, in wet interior areas, or when applying lime-cement renders on top, add 20 weight percent cement to the material, if applying with a 4 mm notched trowel, it is possible to add up to 35 weight percent cement to the material



<b>Approx. consumption</b>	0.20 - 0.40 kg/m <sup>2</sup> paint brush, roller 0.40 - 0.60 kg/m <sup>2</sup> as spray application 1.50 - 2.00 kg/m <sup>2</sup> with notched trowel (4 x 4)
<b>Appearance</b>	matt
<b>Colour shade</b>	white
<b>Application</b>	 can be mixed with cement CEM I 32.5, CEM I 52.5R, or StoFlexyl Cement

## Silicate undercoats and intermediate paint coats

### StoPrep Sil

Preservative-free, silicate primer for interiors



#### Area of application

interior, on mineral substrates for subsequent mineral finishing plasters, especially for natureplus® certified finishing plasters

#### Properties

preservative-free, mildew-inhibiting, highly permeable to water vapour, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, eco-certified in accordance with natureplus®, fulfills the strictest criteria in terms of environment, health and functionality, very high whiteness



<b>Approx. consumption</b>	0.35 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt in accordance with EN 13300
<b>Colour shade</b>	white 
<b>Application</b>	



## Overview of fillers

Product	Properties					Substrates			
	Binding agent base	Density g/cm <sup>3</sup>	Layer thickness in mm	Ready-to use	Seal of approval	Gypsum plasterboards	Concrete	Mineral substrates	Organic substrates

### Organic fillers

<b>StoLevel In AS</b>	organic	1.70	0,1 - 2	■		■ ■	■ ■	■	■ ■
<b>StoLevel In Repair</b>	organic	1,90		■		■	■	■	■

### Silicate fillers

<b>StoLevel In Sil</b>	silicate	1.70	0,1 - 2	■		■ ■	■ ■	■	■ ■
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### Mineral fillers

<b>StoLevel In Fill</b>	gypsum	0,80 <sup>1)</sup>	0.1 - 30			■ ■		■ ■	■
<b>StoLevel In RS</b>	Zement	1.10 <sup>1)</sup>	0.1 - 30				■ ■	■	■ ■
<b>StoLevel Calce FS</b>	lime	1.27 <sup>1)</sup>	3 - 5			■ <sup>2)</sup>	■ ■	■ ■	■

- ■ excellent
- good
- to a limited extent

1) bulk density  
2) with StoPrep In

## Organic fillers

### StoLevel In AS

Organic spray- or hand-applied filler, fine; tested for harmful substances



**Area of application**  
interior, on mineral and organic substrates, for achieving surface qualities Q3 and Q4, as a filler for prefabricated concrete elements, gypsum plasterboards, and other mineral substrates

**Properties**  
efficient application with airless equipment, good suitability for sanding, can be quickly over-coated, can be applied by roller, rust-inhibiting, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, layer thickness: max. 2 mm per application cycle, not suitable for special wallpapers (e.g. metal or vinyl wallpapers)



<b>Approx. consumption</b>	1.70 kg/m <sup>2</sup> per mm layer thickness
<b>Appearance</b>	matt in accordance with EN 13300
<b>Colour shade</b>	natural white
<b>Application</b>	

### StoLevel In Repair

Organic filler/spot filler



**Area of application**  
interior, as a filler or spot filler on primed wood, plaster/render, concrete, and on small areas of primed metals

**Properties**  
good suitability for sanding, can be quickly over-coated, rust-inhibiting

**Notes**  
tube contains 0.375 kg

<b>Appearance</b>	matt in accordance with EN 13300
<b>Colour shade</b>	natural white
<b>Application</b>	with a spatula



## Silicate fillers

### StoLevel In Sil

Preservative-free, silicate emulsion filler



#### Area of application

interior, on mineral and organic substrates, for achieving the filled quality levels Q3 and Q4, especially for sensitive areas (e.g. nursery schools and hospitals), for high-quality refurbishments of mould-infested surfaces in interiors

#### Properties

preservative-free, efficient application with high-performance airless sprayers, mildew-inhibiting, good suitability for sanding, can be quickly over-coated, rust-inhibiting, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, not suitable for special wallpapers (e.g. metal or vinyl wallpapers)



<b>Approx. consumption</b>	1.70 kg/m <sup>2</sup> per mm layer thickness
<b>Appearance</b>	matt in accordance with EN 13300
<b>Colour shade</b>	natural white
<b>Application</b>	

## Mineral fillers

### StoLevel In Fill

Gypsum filler for filling and smoothing



#### Area of application

interior, on mineral and organic substrates, for achieving the filled quality levels Q1 to Q4, for filling joints between gypsum plasterboards and other construction boards by embedding paper joint tape or a glass fibre mesh tape

#### Properties

fine, organically modified, preservative-free, fibre-reinforced, good suitability for sanding, can be quickly over-coated



<b>Approx. consumption</b>	1.00 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	

### StoLevel In RS

Cement filler for fast reworking of wall and ceiling areas



#### Area of application

interior, exterior, for smoothing and filling wall and ceiling areas in renovation and new building projects, smoothing filler for concrete areas, stopper-filler for deep holes, blow-holes, and joints on element and precast ceilings, not for use on or under aluminium structural members

#### Properties

very good adhesion to concrete, quick-drying, can be over-coated, preservative-free, layer thickness: min. 0.1 mm, max. 30 mm

#### Notes

not essential to use in external wall insulation systems



<b>Approx. consumption</b>	1.5 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	light grey
<b>Application</b>	

### StoLevel Calce FS

Ecological, functional filler on a lime base in accordance with EN 998-1



#### Area of application

interior, as functional filler compound for the StoCalce Functio sorption system

#### Properties

mineral, preservative-free, ideally matched to the StoCalce Functio Sorption System, very good non-sag properties, very good moisture management, highly diffusion-open, contributes towards optimising the ambient climate, easy and supple application, best regulation of humidity, rapid sorption and desorption, MBV practical > 2.0 (g/m<sup>2</sup> \* % RH) in the system with StoLevel Calce RP, StoCalce Activ



<b>Approx. consumption</b>	1.10 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	natural white
<b>Application</b>	



# Plasters

163 Overview of plasters

**164 Silicate finishing plasters**

**165 Organic finishing plasters**

**165 Mineral finishing plasters**

**166 Mineral decorative plasters/fillers**



**Detached house, Stuttgart, DE**  
Photo: Martin Baitinger, Böblingen, DE



## Overview of plasters

Product	Product properties				Solution		Design		
	Binding agent base	Wasser-dampfdiffusion	Reaction to fire (class)	Seal of approval	Mildew-inhibiting	Mechanical resistance	Texture/graining	Colour range	Whiteness

### Organic finishing plasters

<b>StoGranit</b>	organic	■	A2-s1, d0			■ ■	natural stone plaster (1.5 mm)	■	
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### Silicate finishing plasters

<b>StoDecosit K/R/MP/SP</b>	silicate	■ ■	A2-s1, d0		■ ■	■ ■	stippled plaster, rilled plaster, free-style textured plaster, spray plaster	■	■ ■
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### Mineral finishing plasters

<b>StoCalce Activ K/MP</b>	lime	■ ■	A1		■	■	stippled plaster, free-style textured plaster	□	■
<b>StoCalce Natura K/MP</b>	lime	■ ■	A1		■	■	stippled plaster, free-style textured plaster		□

### Mineral decorative plasters/fillers

<b>StoCalce Marmorino</b>	lime	■			■	■	decorative filler	■	■
<b>StoCalce Veneziano</b>	lime	■			■	■	decorative filler	■	□
<b>StoCalce Fondo</b>	lime	■			■	■	decorative filler	■	□

- ■ excellent
- good
- to a limited extent



## Silicate finishing plasters

### StoDecosit K/R/MP

Preservative-free dispersion silicate plaster



#### Area of application

interior, highly suitable for the creative design of wall areas and ceiling surfaces, especially for sensitive areas, e.g. nursery schools, hospitals, for high-quality refurbishments of mould-infested interior surfaces

#### Properties

preservative-free, resource-efficient, 97 % ingredients of natural origin, plaster in accordance with DIN EN 15824, high whiteness, fast and easy application, immediately suitable for texturing, hard-wearing surface, very good mildew-inhibiting properties, diffusion-open, very good moisture management, perfectly matched to StoCalce Functio in the system, solvent-free, plasticiser-free, low-emission, free from substances that contribute to "black dust" on walls, TÜV seal of quality - externally monitored, eco-certified - fulfills the strictest criteria in terms of environment, health and functionality (natureplus®)

#### Notes

grain size ≤ 1.0 mm: the substrate should meet at least quality level Q3., grain size > 1.0 mm: the substrate should meet at least quality level Q2., uncoated gypsum plasterboards: observe the light protection in accordance with BFS data sheet no. 12., Use StoPrep In as a background to extend the open time, StoPrep Sil for a natureplus® system., Adapt the colour shade to that of the finish.



<b>Approx. consumption</b>	K 1.0	2.00 kg/m <sup>2</sup>
	K 1.5	2.20 kg/m <sup>2</sup>
	K 2.0	2.90 kg/m <sup>2</sup>
	R 1.0	1.60 - 1.80 kg/m <sup>2</sup>
	R 1.5	2.20 kg/m <sup>2</sup>
<b>MP 0.5</b>	1.50 - 4.00 kg/m <sup>2</sup>	
<b>Appearance</b>	grain: stippled plaster texture R: rilled plaster texture MP: free-style textured plaster	
<b>Colour shade</b>	white 	
<b>Application</b>		

### StoDecosit SP

Preservative-free dispersion silicate spray plaster



#### Area of application

interior, highly suitable for the creative design of wall areas and ceiling surfaces, especially for sensitive areas, e.g. nursery schools, hospitals, for high-quality refurbishments of mould-infested interior surfaces

#### Properties

preservative-free, resource-efficient, 97 % ingredients of natural origin, plaster in accordance with DIN EN 15824, high whiteness, very good hiding power, efficient application with different spraying equipment, minimum rebound, hard-wearing surface, very good mildew-inhibiting properties, diffusion-open, very good moisture management, perfectly matched to StoCalce Functio in the system, solvent-free, plasticiser-free, low-emission, free from substances that contribute to "black dust" on walls, TÜV seal of quality - externally monitored, eco-certified - fulfills the strictest criteria in terms of environment, health and functionality (natureplus®)

#### Notes

for spray plasters, the substrate needs to be at least quality level Q3, uncoated gypsum plasterboards: observe the light protection in accordance with BFS data sheet no. 12.



<b>Approx. consumption</b>	SP 1.0	0.5 - 0.8 kg/m <sup>2</sup>
	SP 1.5	0.7 - 0.9 kg/m <sup>2</sup>
<b>Appearance</b>	SP: spray plaster	
<b>Colour shade</b>	white 	
<b>Application</b>		





## Organic finishing plasters

### StoGranit

Organic natural stone render



**Area of application**


interior, for surfaces subject to mechanical stress

**Properties**

resistant to mechanical stress, highly elastic, maximum resistance to soiling, water vapour permeable

**Notes**

apply StoPrep In as a priming coat (adapt the colour shade to StoGranit)

<b>Approx. consumption</b>	4.00 - 5.00 kg/m <sup>2</sup>
<b>Appearance</b>	grain size: 1.5 mm
<b>Colour shade</b>	special colour shades PG12 available on request at a surcharge (minimum order quantity 46 kg)
	 Collection
<b>Application</b>	



800 (00180-023)



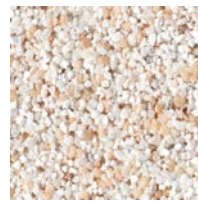
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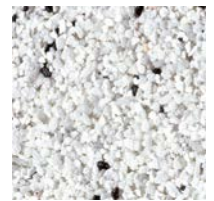
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803 (00180-025)



804 (00180-030)



808 (00180-031)



812 (00180-032)



813 (00180-033)



821 (00180-027)



824 (00180-028)

## Mineral finishing plasters

### StoCalce Activ K/MP

Ecological, mineral finishing plaster on a lime base in accordance with EN 998-1




**Area of application**

interior, modified finishing plaster in accordance with EN 998-1, highly suitable for Sto internal insulation systems, as a finishing plaster for the StoCalce Functio Functio sorption system

**Properties**

mineral, ideally matched to the StoCalce Functio Sorption System, highly diffusion-open, contributes towards optimising the ambient climate, simple and supple application, very good moisture management, best regulation of humidity, rapid sorption and desorption, MBV practical > 2.0 (g/m<sup>2</sup> \* % RH) in the system with StoLevell Calce RP, StoCalce Activ



<b>Approx. consumption</b>	K 1.5 2.00 kg/m <sup>2</sup>	MP 1,0 1.70 - 4.00 kg/m <sup>2</sup>
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP)	
<b>Colour shade</b>	white	
<b>Application</b>		



### StoCalce Natura K/MP

Ecological, mineral finishing plaster on a lime base, natural white



**Area of application**

interior, modified finishing plaster in accordance with EN 998-1

**Properties**

mineral, preservative-free, diffusion-open



<b>Approx. consumption</b>	K 1.0	2.00 kg/m <sup>2</sup>
	K 1.5	2.50 kg/m <sup>2</sup>
	MP 0.5	1.40 - 4.00 kg/m <sup>2</sup>
<b>Appearance</b>	as a stippled texture (K) or free-style textured render (MP)	
<b>Colour shade</b>	natural white	
<b>Application</b>		

### Mineral decorative plasters/fillers

#### StoCalce Marmorino

Ecological, mineral decorative filler on a lime base



**Area of application**

interior, as a thin-layer decorative filler coating on smooth substrates, for creating high-class wall and ceiling surfaces, not suitable for wet areas

**Properties**

mineral, no use of preservatives (share < 0.005 %), very good moisture management, diffusion-open, highly permeable to water vapour, contributes towards optimising the ambient climate, various application techniques possible, great design variety, tested for harmful substances, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.2 kg/m <sup>2</sup> per application cycle	
<b>Appearance</b>	smoothed silk gloss marble appearance	
<b>Colour shade</b>	natural white, tintable with StoLook Punto F 	
<b>Application</b>		

#### StoCalce Veneziano

Ecological, highly decorative, paste-form, mineral smoothing filler on a lime base



**Area of application**

interior, decorative filler coating for smooth substrates, for creating high-quality wall and ceiling surface areas, not suitable for wet areas

**Properties**

mineral, no use of preservatives (share < 0.005 %), very good moisture management, diffusion-open, highly permeable to water vapour, contributes towards optimising the ambient climate, great design variety, stone-type surface finish, hard-wearing, tested for harmful substances, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.8 - 1.0 kg/m <sup>2</sup> per application cycle	
<b>Appearance</b>	matt smoothed stone appearance	
<b>Colour shade</b>	natural white, tintable with StoLook Punto F, Giallo Mori (yellow Mori marble), Rosso Verona (red Veronese marble), Verde Alpi (green Alpine marble), Nero Ebano (black marble), Coccio Pesto (cocciopesto), own collection in StoCalce Deco	
<b>Application</b>		





## StoCalce Fondo

Ecological, mineral decorative filler on a lime base





### Area of application

interior, for creating smooth surfaces as a substrate for StoCalce Marmorino, StoCalce Veneziano, and StoCalce Effetto, as a float-finished finishing coat, as a substrate for StoLook Lasura and StoSil Patina, not suitable for wet areas

### Properties

mineral, very good moisture management, diffusion-open, highly permeable to water vapour, contributes towards optimising the ambient climate, various application techniques possible, great design variety, substrate-levelling, tested for harmful substances, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, no use of preservatives (share < 0.005 %)



<b>Approx. consumption</b>	0.8 - 1.0 kg/m <sup>2</sup> per application cycle
<b>Appearance</b>	matt with black marble grains
<b>Colour shade</b>	natural white 
<b>Application</b>	



# Interior paints

169 Overview of interior paints

170 Premium paints

171 Hard-wearing paints

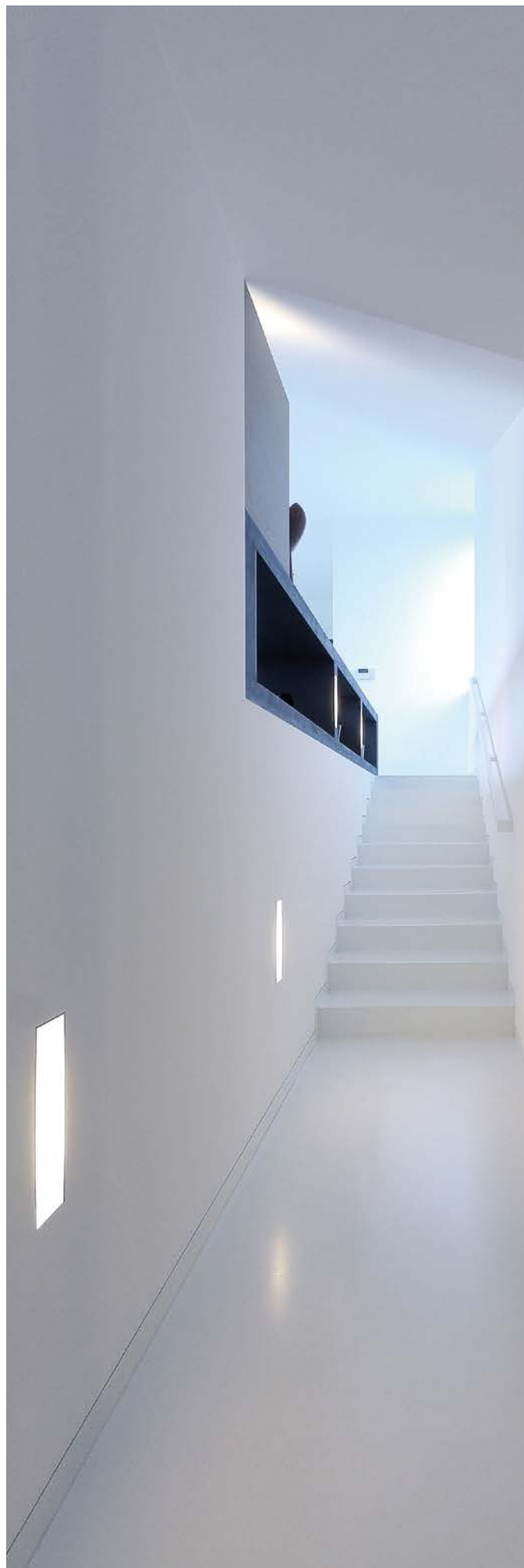
172 Rapid paints

173 Ecological paints

174 Standard paints
















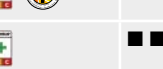














174 Functional paints

176 Tinting concentrates





## Overview of interior paints

Product	Product properties						Solution						Design
	Wet-scrub resistance class (in accordance with EN 13300)	Hiding power (in accordance with EN 13300)	Gloss level (in accordance with EN 13300)	Seal of approval	Glancing light	Texture-retaining	Isolating	Resistance to surface disinfectants	Suitable for foodstuff industry	Mildew-inhibiting	Breaks down odours/harmful substances	Protection against electrosmog	
<b>Premium paints</b>													
StoColor Titanium	1	1	dead-matt	  			■ ■	■ ■	■ ■				■ ■
<b>Hard-wearing paints</b>													
StoColor Opticryl Gloss	1	2	gloss	 			■ ■	■ ■	■ ■				■ ■
StoColor Opticryl Satin	1	2	mid sheen	  			■ ■	■ ■	■ ■				■ ■
StoColor Opticryl Satinmatt	1	2	mid sheen	  			■ ■	■ ■	■ ■				■ ■
StoColor Opticryl Matt	1	2	dead-matt	  			■ ■	■ ■	■ ■				■ ■
<b>Rapid paints</b>													
StoColor Rapid	3	1	dead-matt	  									■
StoColor Rapid Ultramatt	2	1	dead-matt	 		■ ■	■	■ ■					■
StoColor Rapid Satin	1	1	mid sheen	 		■	■ ■						■
<b>Ecological paints</b>													
StoColor Sil In	2	1	dead-matt	   			■ ■	■ ■	■ ■				■
StoColor Sil Mineral	3	2	dead-matt	 					■				■
StoColor Calcetura	3	3	dead-matt	   					■				natural white

- ■ excellent
- good
- to a limited extend



## Overview of interior paints

Product	Product properties						Solution						Design
	Wet-scrub resistance class (in accordance with EN 13300)	Hiding power (in accordance with EN 13300)	Gloss level (in accordance with EN 13300)	Seal of approval	Glancing light	Texture-retaining	Isolating	Resistance to surface disinfectants	Suitable for foodstuff industry	Mildew-inhibiting	Breaks down odours/harmful substances	Protection against electrosmog	

### Standard paints

<b>StoColor In</b>	3	2	dead-matt											■ ■
<b>StoColor Basic</b>	3	2	dead-matt											■

### Functional paints

<b>StoColor Puran Satin</b>	1	2	mid sheen					■ ■	■ ■	■ ■				■ ■
<b>StoColor Climasan</b>	2	1	dead-matt						■		■ ■			■
<b>StoColor Isol W</b>	1	2	matt					■ ■						■
<b>StoColor Isol</b>	2	2	dead-matt					■ ■						■

■ ■ excellent    ■ good    □ to a limited extent

Wet-scrub resistance		Contrast ratio (hiding power)		Sto-White Shades Collection		
<b>Class 1</b>	< 5 µm at 200 strokes	<b>Class 1</b>	≥ 99,5	classification in accordance with consumption and spreading rate in m <sup>2</sup> /l	AW 11	yellowish aged white
<b>Class 2</b>	≥ 5 µm and < 20 µm in case of 200 strokes ("abrasion-resistant" in accordance with the old DIN 53778)	<b>Class 2</b>	≥ 98 and < 99,5		AW 15	greyish aged white
<b>Class 3</b>	≥ 20 µm and < 70 µm in case of 200 strokes ("wash-resistant" in accordance with the old DIN 53778)	<b>Class 3</b>	≥ 95 and < 98		STH 01	approx. RAL 9010
<b>Class 4</b>	< 70 µm at 40 strokes	<b>Class 4</b>	< 95		STH 02	approx. NCS S 0500 N
<b>Class 5</b>	≥ 70 µm at 40 strokes				STH 04	approx. RAL 9016

### Premium paints

#### StoColor Titanium

Dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 1 and hiding power 1 in accordance with EN 13300



#### Area of application

interior, as a highly covering emulsion paint on wall and ceiling areas, for areas subject to high stress (e.g. staircases, gymnasiums, etc.), can be used in food-processing areas

#### Properties

very good for touching up, high whiteness, very good filling capacity, resistance to surface disinfectants in accordance with the test report, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.14 - 0.17 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016)
<b>Application</b>	



## Hard-wearing paints

### StoColor Opticryl Matt

Dead-matt interior acrylate paint, wet-scrub resistance 1 and hiding power 2 in accordance with EN 13300, tested for harmful substances



#### Area of application

interior, for texture-retaining and hard-wearing wall and ceiling surfaces, especially for StoTap/StoTex wall coverings





#### Properties

good hiding power, good flow properties, high whiteness, resistance to surface disinfectants in accordance with the test report, non-combustible or of limited combustibility, depending on build-up, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, not harmful for food, TÜV-certified

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	  

### StoColor Opticryl Satinmatt

Silk matt interior acrylate paint, tested for harmful substances, wet-scrub resistance 1 and hiding power 2 in accordance with EN 13300



#### Area of application

interior, for texture-retaining and hard-wearing wall and ceiling surfaces, especially for StoTap/StoTex wall coverings





#### Properties

good hiding power, very good flow properties, high whiteness, resistance to surface disinfectants in accordance with the test report, non-combustible or of limited combustibility, depending on build-up, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, not harmful for food, TÜV-certified, easy to clean, suitable for dark colour shades

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	mid sheen in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	  

### StoColor Opticryl Satin

Silk gloss interior acrylate paint, wet-scrub resistance 1 and hiding power 2 in accordance with EN 13300, tested for harmful substances



#### Area of application

interior, for texture-retaining and hard-wearing wall and ceiling surfaces, especially for StoTap/StoTex wall coverings



#### Properties

good hiding power, good flow properties, high whiteness, resistance to surface disinfectants in accordance with the test report, non-combustible or of limited combustibility, depending on build-up, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, not harmful for food, TÜV-certified, very good to clean, highly suitable for dark colour shades

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	mid sheen in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	  



## StoColor Opticryl Gloss

Gloss interior acrylate paint, tested for harmful substances, wet-scrub resistance 1 and hiding power 2 in accordance with EN 13300



### Area of application

interior, for texture-retaining and hard-wearing wall and ceiling surfaces, especially for StoTap/StoTex wall coverings


### Properties

good hiding power, good flow properties, high whiteness, resistance to surface disinfectants in accordance with the test report, non-combustible or of limited combustibility, depending on build-up, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, not harmful for food, TÜV-certified, very good to clean

### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	gloss in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	

## Rapid paints

### StoColor Rapid

Highly covering, dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 2, and hiding power 1 in accordance with EN 13300



### Area of application

interior, as a highly covering emulsion paint on wall and ceiling areas


### Properties

high whiteness, very good filling capacity, very good hiding power, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	

### StoColor Rapid Ultramatt

Highly covering, dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 2, and hiding power 1 in accordance with EN 13300



### Area of application

interior, as a dead-matt, highly covering emulsion paint on wall and ceiling areas sensitive to glancing light



### Properties

very good for touching up, very good hiding power, very high whiteness, resistance to surface disinfectants in accordance with the test report, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	



## Ecological paints

### StoColor Sil In

Preservative-free, dead-matt, interior dispersion silicate paint, wet-scrub resistance 2, and hiding power 1 in accordance with EN 13300



#### Area of application

interior, for paint coats with a mineral appearance on walls and ceilings, especially for sensitive areas, e.g. nursery schools, hospitals, suitable for high-quality refurbishments of mould-infested interior surfaces, thanks to the mildew-inhibiting effect, as a preventative paint coat for food-processing areas, e.g. slaughterhouses, dairies, and breweries




#### Properties

preservative-free, mildew-inhibiting, resistance to surface disinfectants in accordance with the test report, meets the requirements of foodstuff hygiene, non-combustible depending on build-up, good hiding power, organic content < 5 %, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, eco-certified - fulfills the strictest criteria in terms of environment, health and functionality (natureplus®)

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.12 - 0.14 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	  

### StoColor Sil Mineral

Preservative-free, dead-matt, interior dispersion silicate paint, wet-scrub resistance 3, and hiding power 2 in accordance with EN 13300



#### Area of application

interior, as a silicate paint with mineral appearance for matt coats on walls and ceiling surfaces





#### Properties

preservative-free, mildew-inhibiting, good hiding power, organic content < 5 %, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.20 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	  

### StoColor Calcetura

Interior lime paint, preservative-free, wet-scrub resistance 3, and hiding power 3 in accordance with EN 13300





#### Area of application

interior, on walls and ceilings

#### Properties

preservative-free, mildew-inhibiting, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, eco-certified - fulfills the strictest criteria in terms of environment, health and functionality (natureplus®)



<b>Approx. consumption</b>	0.20 kg/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	natural white
<b>Application</b>	 





## Standard paints

### StoColor In

Dead-matt interior emulsion paint, wet-scrub resistance 3 and hiding power 1 in accordance with EN 13300, tested for harmful substances



#### Area of application

interior, on walls and ceilings

#### Properties

high whiteness, non-combustible or of limited combustibility, depending on build-up, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	

### StoColor Basic

Dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 3 and hiding power 2 in accordance with EN 13300



#### Area of application

interior, on walls and ceilings

#### Properties

solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.12 - 0.14 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	

## Functional paints

### StoColor Puran Satin

Highly resistant, water-based, 2-component PU gloss paint, wet-scrub resistance 1 and hiding power 2 in accordance with EN 13300



#### Area of application

interior, for areas subject to very high mechanical impact (e.g. textured wall covering, concrete) on wall and ceiling surfaces, especially for kitchens, baths, laboratory areas, hospitals, operating theatres, food-processing industry

#### Properties

resistant to surface disinfectants, weak acids, lye and mineral lubricants in accordance with the test report, low-emission and nonylphenol-free, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

#### Notes

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.15 - 0.20 kg/m <sup>2</sup> per coat (components A+B)
<b>Appearance</b>	mid sheen in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH03 (RAL 9003) 
<b>Application</b>	





### StoColor Climasan

Odour-reducing, dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 2 and hiding power 1 in accordance with EN 13300



**Area of application**

interior, for walls and ceilings with a sufficient light source, especially suitable for rooms subject to odours and harmful substances

**Properties**

breaks down harmful organic substance and odours, effective without UV light, very good hiding power, resistant to surface disinfectants, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

**Notes**

aged white AW11/AW15, RAL 9010, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.14 - 0.17 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N) 
<b>Application</b>	

### StoColor Isol W

Water-based isolating and renovation paint, wet-scrub resistance 1 and hiding power 2 in accordance with EN 13300



**Area of application**

interior, on walls and ceilings, for problematic substrates, e.g. with nicotine, soot, lignin, or water stains

**Properties**

highly isolating, very good hiding power, good flow properties, high whiteness, does not yellow

**Notes**

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	

### StoColor Isol

Solvent-containing isolating and renovation paint, wet-scrub resistance 2 and hiding power 2 in accordance with EN 13300



**Area of application**

interior, for walls and ceilings, for use on problematic substrates (e.g. nicotine, soot, lignin, water stains)

**Properties**

highly isolating, very good hiding power, good flow properties, high whiteness, low-tension, non-yellowing, free from aromatic solvents

**Notes**

aged white AW11/AW15, RAL 9010, RAL 9016, NCS S 0500N are tinted variants but cost the same as white

<b>Approx. consumption</b>	0.13 - 0.15 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), STH04 (RAL 9016) 
<b>Application</b>	 dilutable with StoFluid AF



## Tinting concentrates

### StoTint Aqua

Binder-free tinting paste



**Area of application**

exterior and interior, for tinting water-based coating systems

**Properties**

only for paints and renders/plasters

**Notes**

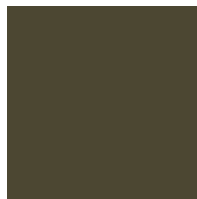
depending on the coating material, add max. 1 % parts by weight, first tint the material, then dilute it



<b>Appearance</b>	depending on the colour intensity and material used (paint, render/plaster)
<b>Colour shade</b>	ochre (02305-001), umber (02305-002), oxide red (02305-003), oxide green (02305-004), black (02305-005), lemon yellow (02305-006), golden (02305-007), cobalt blue (02305-008), brick red (02305-009), brown (02305-010)



ochre  
(02305-001)



umber  
(02305-002)



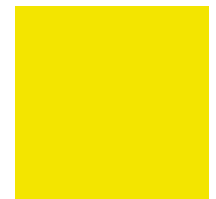
oxide-red  
(02305-003)



oxide-green  
(02305-004)



black  
(02305-005)



lemon-yellow  
(02305-006)



golden  
(02305-007)



cobalt-blue  
(02305-008)



brick-red  
(02305-009)



brown  
(02305-010)

## Effect aggregates

### StoLook Lasura

Interior emulsion lasure, wet-scrub resistance 2 in accordance with EN 13300



**Area of application**

interior, for decorative glazing techniques on mineral and organic coatings

**Properties**

low-emission



<b>Approx. consumption</b>	0.06 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	transparent, tintable with StoTint Aqua
<b>Application</b>	with painter's brush, stencil brush, roller, natural sponge, cloth, etc. depending on the desired lasure effect



## StoSil Patina

Ready-to-use, dead-matt dispersion silicate lasure, tested for harmful substances




### Area of application

interior, for a decorative lasure coating onto silicate and lime coatings, especially for sensitive areas, e.g. nursery schools, hospitals, for high-quality refurbishments of mould-infested interior surfaces

### Properties

very good mildew-inhibiting properties, highly permeable to water vapour, no use of preservatives (share < 0.005 %), solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.06 l/m <sup>2</sup> per application cycle
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	transparent 
<b>Application</b>	with painter's brush, stencil brush, roller, natural sponge, cloth, etc. depending on the desired lasure effect

## StoLook Diamant

Transparent emulsion coating with ultra-fine effect pigments, wet-scrub resistance 2 in accordance with EN 13300




### Area of application

interior, for effect coatings on existing coatings

### Properties

Wet-scrub resistance class 2



<b>Approx. consumption</b>	0.18 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	with ultra-fine, mother-of-pearl-type, reflective glittering mica chips transparent
<b>Application</b>	



## StoLook Piccolo

Multicolour chips coating, matt



### Area of application

interior, for high-quality decoration on wall and ceiling surfaces, especially for public, private, and heavily frequented areas





### Properties

scratch-resistant and shock-proof, cleanable (for application by roller), free from substances that contribute to "black dust" on walls, resistant to surface disinfectants, non-combustible, solvent- and plasticiser-free, low-emission, ready-to-use, light-resistant

### Notes

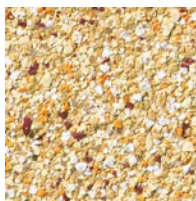
Substrate colour shades should be ordered with the colour shade number of the finishing coat.



<b>Approx. consumption</b>	0.30 - 0.40 kg/m <sup>2</sup> application by roller 0.80 kg/m <sup>2</sup> spray application 0.60 - 0.70 kg/m <sup>2</sup> trowel application
<b>Appearance</b>	matt
<b>Colour shade</b>	18 standard colour shades, special colours possible on request at a surcharge (minimum order quantity of 25 kg)  Collection
<b>Application</b>	  



LP 0204  
(00330-053)



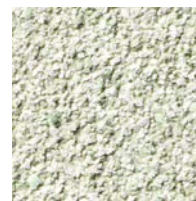
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(00330-068)



LP 0203  
(00330-052)



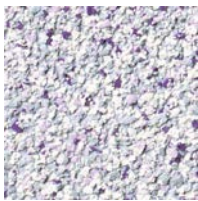
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(00330-069)



LP 0221  
(00330-070)



LP 0222  
(00330-071)



LP 0223  
(00330-072)



LP 0224  
(00330-073)



LP 0225  
(00330-074)



LP 0209  
(00330-058)



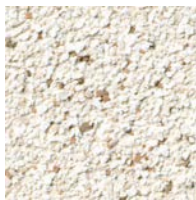
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(00330-075)



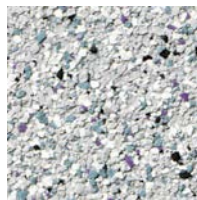
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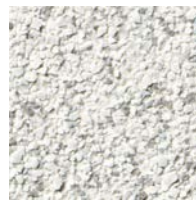
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(00330-067)



LP 0228  
(00330-077)



LP 0213  
(00330-062)



LP 0229  
(00330-078)



LP 0211  
(00330-060)



LP 0210  
(00330-059)

## StoLook Punto Z

White marble sand for StoCalce Deco 0.5-1.0 mm



### Area of application

interior, for adding to StoCalce Veneziano and StoCalce Fondo

### Properties

for implementing special application techniques

<b>Appearance</b>	sandy white
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## StoLook Punto F

Extra-fine marble powder or cocchiopesto for tinting StoCalce Veneziano and StoCalce Marmorino



### Area of application

interior, for natural tinting of StoCalce Veneziano, StoCalce Marmorino, StoLevel Calce FS and StoCalce Activ

### Properties

for producing surface finishes with marble and stone appearance

### Colour shade

Giallo Mori (yellow Mori marble), Rosso Verona (red Veronese marble), Verde Alpi (green Alpine marble), Nero Ebano (black marble), Coccio Pesto (cocchiopesto)

## StoLook Oro/Argento/Rame

Effect powder in gold, silver, copper for decorative techniques



### Area of application

interior, for adding to StoLook Wax, StoLook Wax forte, StoLook Lasura and StoSil Patina, finish for StoCalce Deco surfaces

### Colour shade

available colours: StoLook Oro (gold), StoLook Argento (silver) and StoLook Rame (copper)

## StoLook Wax

Transparent protective wax



### Area of application

interior, as a protective coating for StoCalce Marmorino, StoCalce Veneziano, and StoCalce Fondo surfaces, as finishing coat in combination with StoLook Effect Powder, do not use in splash zones

### Properties

protects the surface, resistant to mechanical stress, provides protection against early soiling

### Approx. consumption

0.05 l/m<sup>2</sup> per application cycle

### Appearance

enhances the gloss and depth effect

### Colour shade

milky white, tintable with StoTint Aqua

### Application

apply a thin and uniform wax layer and polish it using a cloth or a non-abrasive spatula

## StoLook Wax forte

Transparent protective wax for rooms exposed to moisture



### Area of application

interior, as a protective coating for StoCalce Marmorino, StoCalce Veneziano, and StoCalce Fondo surfaces, as finishing coat for surfaces in combination with StoLook effect powders, suitable for areas exposed to moisture, do not use in splash zones

### Properties

provides temporary protection against water and other liquids (e.g. coffee or wine), resistant to mechanical stress

### Approx. consumption

0.05 l/m<sup>2</sup> per application cycle

### Appearance

enhances the gloss and depth effect  
intensifies the colour shade  
if StoLook Wax forte is used as a sealing coat, different levels of compaction can intensify the light-dark contrast

### Colour shade

milky white, tintable, e.g. with Mixol

### Application

apply a thin and uniform wax layer and polish it using a cloth or a non-abrasive spatula



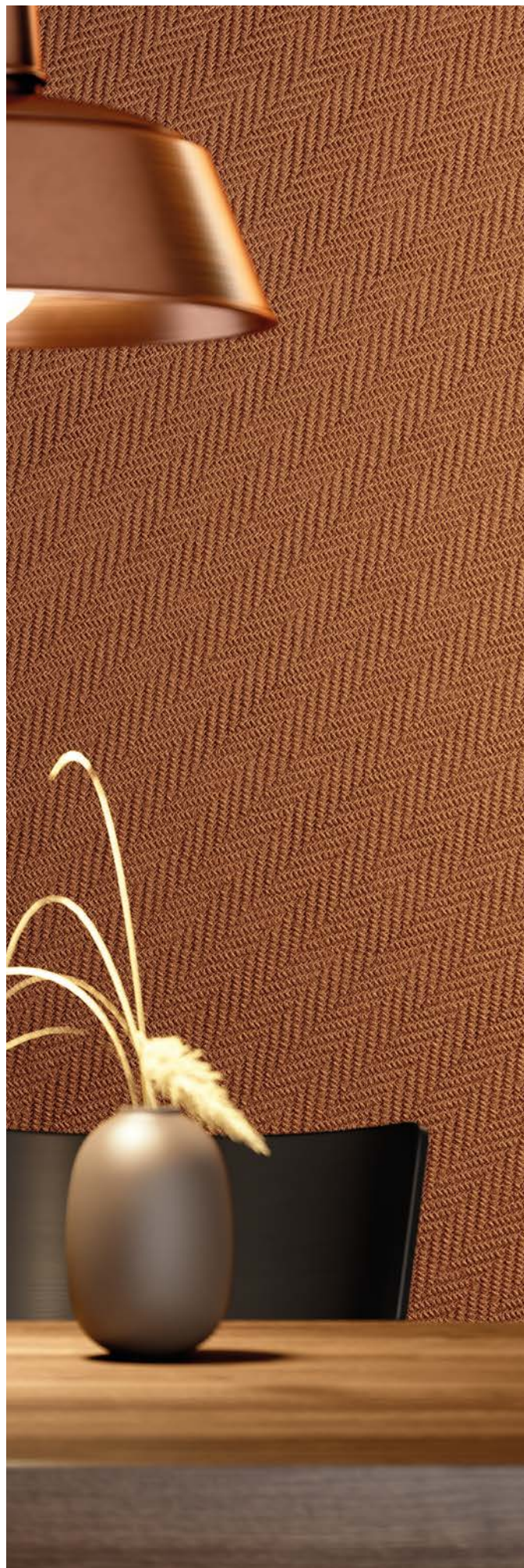


# Interior coverings

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## 181 Wall and ceiling coverings

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- 184 Cellulose-based nonwovens
- 185 Glass-fibre wall coverings
- 188 Wood-chip wallpapers





## Overview of wall and ceiling coverings

Product	Product properties					Solution		Design
	Seal of approval	Suitable for wallpapering machines	Aqua-Quick Technology	Available with pigmentation	Wall pasting method	Crack-bridging	Mechanical resistance	Scope for design
<b>StoTap Pro</b>		■	■	■	■	■	■ ■	■ ■
<b>StoTex Avantgarde</b>		■			■	■	■	■
<b>StoTex Classic</b>		■	■	■	■	■	■	■
<b>StoEuro Trend</b>		■						

- ■ excellent
- good
- to a limited extent

## Bonding

### StoColl Tap

Adhesive for nonwovens on a silicate emulsion base



#### Area of application

interior, for glass and cellulose nonwovens e.g. StoEuro Trend wood-chip wallpapers, and StoEuro Vlies, on walls and ceilings

#### Properties

tested for harmful substances, ideal for smooth nonwovens, non-drip, good wet adhesive strength when applied to ceilings (overhead work), very good and even material spreading, suitable for airless equipment and wallpapering devices, easy to shift the wallpaper strip in the wet adhesive layer, low-emission, solvent- and plasticiser-free, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, water-dilutable, diffusion-open



<b>Approx. consumption</b>	0.16 kg/m <sup>2</sup> depending on the type of nonwoven and substrate
<b>Colour shade</b>	transparent
<b>Application</b>	

### StoColl Tex

Mesh adhesive on a dispersion base



#### Area of application

interior, for StoTex textured wall coverings, StoTap nonwovens, and heavy wallpapers, on walls and ceilings

#### Properties

very good wet adhesive strength when applied to ceilings (overhead work), good and even material spreading, suitable for wallpapering devices, easy to shift the wallpaper strip in the wet adhesive layer, low-emission, solvent- and plasticiser-free, free from substances that contribute to "black dust" on walls, water-dilutable, non-combustible or of limited combustibility, depending on build-up



<b>Approx. consumption</b>	0.18 - 0.25 kg/m <sup>2</sup> depending on the mesh type and substrate
<b>Colour shade</b>	transparent
<b>Application</b>	



## Metylan TG/NP

Wallpaper paste



### Area of application

interior, for wood-chip wallpaper and wallpaper, Metylan TG for wallpapering devices, Metylan NP especially for new plaster surfaces

### Application



## Metylan TG Power Granulate

Wallpaper paste



### Area of application

interior, for nonwoven embossed wallpapers with smooth rear sides, paper and wood-chip wallpapers, for standard bonding applications, ideal for wallpapering devices

### Notes

pail contains 5 kg



### Approx. consumption

2 g/m<sup>2</sup> priming/pre-pasting

7 g/m<sup>2</sup> rear side application (brush; machine)

8 g/m<sup>2</sup> application by roller

### Application



## Metylan NP Power Granulate plus

Wallpaper paste



### Area of application

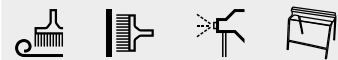
interior, for wood-chip wallpaper even on difficult substrates, nonwovens for renovation purposes, embossed wallpapers, vinyl, textured, and textile wallpapers, bonding with special requirements, especially for new plaster surfaces

### Notes

pail contains 5 kg



### Application



## Glass-fibre nonwovens

### StoTap Pro 100 S

Glass-fibre nonwoven, natural white



### Area of application

interior, for renovation (crack bridging), refurbishment (substrate reworking), and decoration of wall and ceiling surface areas

### Properties

resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, not respirable, as fibre diameter > 5 µm, coating possible, non-combustible or of limited combustibility, depending on build-up, mass per unit area: approx. 35 g/m<sup>2</sup>

### Notes

finishing coat depends on individual requirements for different areas of application



### Approx. consumption

1.00 m<sup>2</sup>/m<sup>2</sup> weight approx. 35 g/m<sup>2</sup>

### Format

width of roller cover: approx. 1 m  
Length of roller cover: 50 m

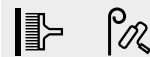
### Appearance

broad scope for colour design  
see StoTex/StoTap Collection

### Colour shade

natural white

### Application







### StoTap Pro 100 P

Glass-fibre nonwoven, tested for harmful substances, white pigmentation



#### Area of application

interior, for renovation (crack bridging), refurbishment (substrate reworking), and decoration of smooth wall and ceiling surfaces

#### Properties

resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, Oeko-Tex® standard 100, non-combustible or of limited combustibility, depending on build-up, non-swelling, stable when wet, not respirable, as fibre diameter > 5 µm, coating possible, mass per unit area: approx. 195 g/m<sup>2</sup>

#### Notes

finishing coat depends on individual requirements for different areas of application



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup> weight approx. 195 g/m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m Length of roller cover: 50 m
<b>Appearance</b>	smooth and textureless surface broad scope for colour design see StoTex/StoTap Collection
<b>Colour shade</b>	white pigmentation
<b>Application</b>	

### StoTap Pro 100 A

Glass-fibre nonwoven, white pigmentation, with water-activated adhesive coating, tested for harmful substances



#### Area of application

interior, for renovation (crack bridging), refurbishment (substrate reworking), and decoration of smooth wall and ceiling surfaces, efficient application makes it especially suited for large surfaces

#### Properties

made of natural raw materials, resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, Oeko-Tex® standard 100, resistant to rotting, time- and cost-saving application, non-swelling, stable when wet, no additional adhesive necessary, can be coated immediately, non-combustible or of limited combustibility, depending on build-up, not respirable, as glass fibre diameter approx. 10 µm, coating possible, mass per unit area: approx. 215 g/m<sup>2</sup>

#### Notes

finishing coat depends on individual requirements for different areas of application



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup> weight approx. 215 g/m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m Length of roller cover: 25 m Roll length: 40 m
<b>Appearance</b>	smooth and textureless surface broad scope for colour design
<b>Colour shade</b>	white pigmentation
<b>Application</b>	 Sto-Aqua-Quick Wallpapering Device

### StoTap Pro 300 P

Glass-fibre nonwoven, tested for harmful substances, white pigmentation



#### Area of application

interior, for renovation (crack bridging), refurbishment (substrate reworking), and decoration of wall and ceiling surface areas, ideal substrate for creative techniques

#### Properties

resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, Oeko-Tex® standard 100, non-combustible or of limited combustibility, depending on build-up, non-swelling, stable when wet, not respirable, as fibre diameter > 8 µm, made of natural raw materials, very good for processing with a wallpapering device, coating possible, mass per unit area: approx. 130 g/m<sup>2</sup>

#### Notes

finishing coat depends on individual requirements for different areas of application



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup> weight approx. 130 g/m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m Length of roller cover: 50 m
<b>Appearance</b>	smooth and textureless surface broad scope for colour design
<b>Colour shade</b>	white pigmentation
<b>Application</b>	



## Cellulose-based nonwovens

### StoTap Pro 500

Cellulose-based nonwoven, white



#### Area of application

interior, for renovation (crack bridging), refurbishment (substrate reworking), and decoration of smooth wall and ceiling surfaces

#### Properties

resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, limited combustibility, no soaking time, application with wallpaper paste makes the nonwoven easier to remove later, coating possible, low-emission, solvent- and plasticiser-free, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, mass per unit area approx. 150 g/m<sup>2</sup> - 160 g/m<sup>2</sup>

#### Notes

various finishes are possible depending on the area of application



<b>Approx. consumption</b>	1.33 m/m <sup>2</sup> weight approx. 150 - 160 g/m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 0.75 m Length of roller cover: 25 m
<b>Appearance</b>	smooth and textureless surface broad scope for colour design see StoTex/StoTap Collection
<b>Colour shade</b>	white
<b>Application</b>	

### StoTap Pro 550

Light cellulose-based nonwoven, white



#### Area of application

interior, for renovation (crack bridging), refurbishment (substrate reworking), and decoration of smooth wall and ceiling surfaces

#### Properties

textureless, resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, limited combustibility, no soaking time, application with wallpaper paste makes the nonwoven easier to remove later, coating possible, low-emission, solvent- and plasticiser-free, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, mass per unit area: approx. 120 g/m<sup>2</sup> - 130 g/m<sup>2</sup>

#### Notes

various finishes are possible depending on the area of application



<b>Approx. consumption</b>	width: 0.75 m      1.33 m/m <sup>2</sup> weight approx. 120 g/m <sup>2</sup> width: 1.00 m      1.00 m/m <sup>2</sup> weight approx. 120 g/m <sup>2</sup>
<b>Format</b>	roll width: approx. 0.75 m or 1.00 m Length of roller cover: 50 m
<b>Appearance</b>	smooth and textureless surface broad scope for colour design
<b>Colour shade</b>	white
<b>Application</b>	



## Glass-Fibre Wall Covering

### StoTex Avantgarde

Textured wall covering with exclusive textures, natural white, tested for harmful substances



#### Area of application

interior, especially suitable for prestigious surfaces




#### Properties

made of natural raw materials, protects the substrate from mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, non-swelling, resistant to rotting, stable when wet, non-combustible or of limited combustibility, depending on build-up, if a suitable coating is applied: mechanically resistant, resistant to disinfectants, and decontaminable, not respirable, as fibre diameter > 5 µm, high-quality Jacquard weaving technique, coating possible

#### Notes

depending on the requirements, different finishes can be individually selected for different areas of application which are specifically matched to these requirements in their appearance, gloss level, and mechanical strength



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m Length of roller cover: 25 m
<b>Appearance</b>	exclusive mesh textures see StoTex/StoTap Collection
<b>Colour shade</b>	natural white
<b>Application</b>	  



StoTex Avantgarde Linea



StoTex Avantgarde  
Dune



StoTex Avantgarde  
Mikado



## StoTex Classic S

Textured wall covering with classic textures, natural white, tested for harmful substances



### Area of application

interior, decorative and functional, suitable for e.g. hotels, catering areas, hospitals, doctor's surgeries, schools, nursery schools, and private rooms, especially suitable for areas subject to a high level of stress, e.g. corridors and staircases




### Properties

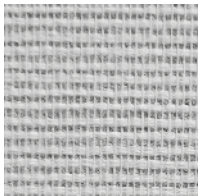
made of natural raw materials, protects the substrate from mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, non-swelling, resistant to rotting, stable when wet, Oeko-Tex® standard 100, non-combustible or of limited combustibility, depending on build-up, if a suitable coating is applied: mechanically resistant, resistant to disinfectants, and decontaminable, not respirable, as fibre diameter > 5 µm, coating possible

### Notes

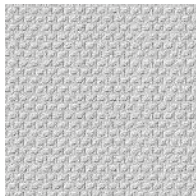
depending on the requirements, different finishes can be individually selected for different areas of application which are specifically matched to these requirements in their appearance, gloss level, and mechanical strength



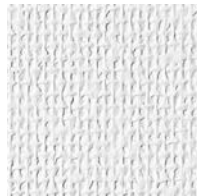
<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m length of roller cover: 25 m or 50 m, depending on the mesh texture
<b>Appearance</b>	see StoTex/StoTap Collection eleven mesh textures from super fine to super coarse
<b>Colour shade</b>	natural white
<b>Application</b>	  



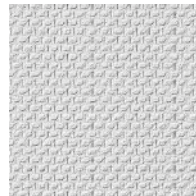
StoTex Classic 205 S  
Super Fine



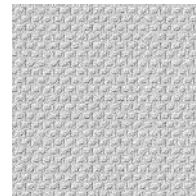
StoTex Classic 210 S  
Fine



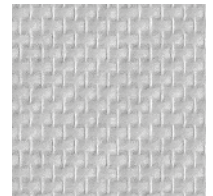
StoTex Classic 215 S  
Fine



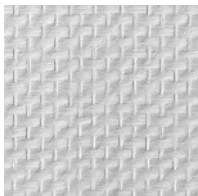
StoTex Classic 220 S  
Medium



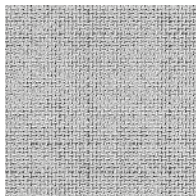
StoTex Classic 225 S  
Medium



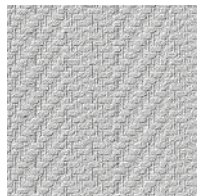
StoTex Classic 235 S  
Super Coarse



StoTex Classic 240 S  
Double Thread



StoTex Classic 245 S  
Fine Jute



StoTex Classic 265 S  
Herringbone



## StoTex Classic P

Textured wall covering with classic textures, white pigmentation, tested for harmful substances



### Area of application

interior, decorative and functional, suitable for e.g. hotels, catering areas, hospitals, doctor's surgeries, schools, nursery schools, and private rooms, especially suitable for areas subject to a high level of stress, e.g. corridors and staircases

### Properties

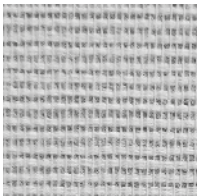
made of natural raw materials, protects the substrate from mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, non-swelling, resistant to rotting, stable when wet, Oeko-Tex® standard 100, non-combustible or of limited combustibility, depending on build-up, if a suitable coating is applied: mechanically resistant, resistant to disinfectants, and decontaminable, not respirable, as fibre diameter > 5 µm, coating possible

### Notes

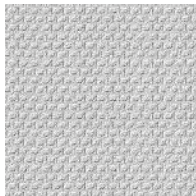
depending on the requirements, different finishes can be individually selected for different areas of application which are specifically matched to these requirements in their appearance, gloss level, and mechanical strength



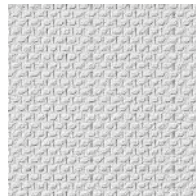
<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m length of roller cover: 25 m or 50 m, depending on the mesh texture
<b>Appearance</b>	four mesh textures from super fine to coarse see StoTex/StoTap Collection
<b>Colour shade</b>	white pigmentation
<b>Application</b>	



StoTex Classic 205 P  
Superfine



StoTex Classic 210 P  
Fine



StoTex Classic 220 P  
Medium



## StoTex Classic A

Textured wall covering with classic textures, white pigmentation with water-activated adhesive coating, tested for harmful substances



### Area of application

interior, efficient application makes it especially suited for large surfaces, decorative and functional, suitable for e.g. hotels, catering areas, hospitals, doctor's surgeries, schools, nursery schools, and private rooms, especially suitable for areas subject to a high level of stress, e.g. corridors and staircases


### Properties

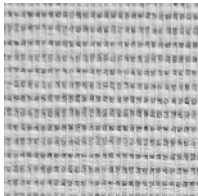
made of natural raw materials, protects the substrate from mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, non-swelling, resistant to rotting, stable when wet, Oeko-Tex® standard 100, non-combustible or of limited combustibility, depending on build-up, if a suitable coating is applied: mechanically resistant, resistant to disinfectants, and decontaminable, not respirable, as fibre diameter > 5 µm, coating possible

### Notes

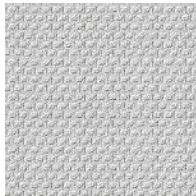
depending on the requirements, different finishes can be individually selected for different areas of application which are specifically matched to these requirements in their appearance, gloss level, and mechanical strength



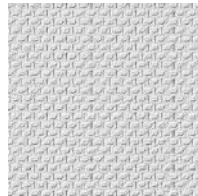
<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m length of roller cover: 25 m or 50 m, depending on the mesh texture
<b>Appearance</b>	three mesh textures from superfine to medium see StoTex/StoTap Collection
<b>Colour shade</b>	white pigmentation
<b>Application</b>	 Sto-Aqua-Quick Wallpapering Device



StoTex Classic 205 A  
Superfine



StoTex Classic 210 A  
Fine



StoTex Classic 220 A  
Medium

## Wood-chip wallpapers

### StoEuro Trend

Three-layer wood-chip wallpaper




### Area of application

interior, for all interior wall and ceiling surfaces suitable for wallpapering, e.g. private living areas, public buildings, council housing, and refurbishment of old buildings

### Properties

three-layer wall covering in professional quality, firmly integrated, texture-imparting wood chips, high strength when wet, neat edge cut, high whiteness, can be repainted several times, mainly manufactured from recycled products (Blue Angel), free from chlorine-containing bleaching agents, PVC, and plasticisers, water vapour permeable, "suitable for allergy sufferers" seal



<b>Format</b>	medium/coarse small roll: 0.53 x 33.5 m large roll medium/coarse: 0.75 x 125 m
<b>Appearance</b>	textures: medium (32), coarse (52)
<b>Colour shade</b>	natural white
<b>Application</b>	





# Acoustics

190 Overview of acoustic systems

## 191 Suspended acoustic systems

191 StoSilent Distance C

192 StoSilent Distance S

193 StoSilent Distance F

## 195 Bonded acoustic systems

195 StoSilent Direct

## 197 Acoustic plaster systems

197 StoSilent Compact

## 199 System components

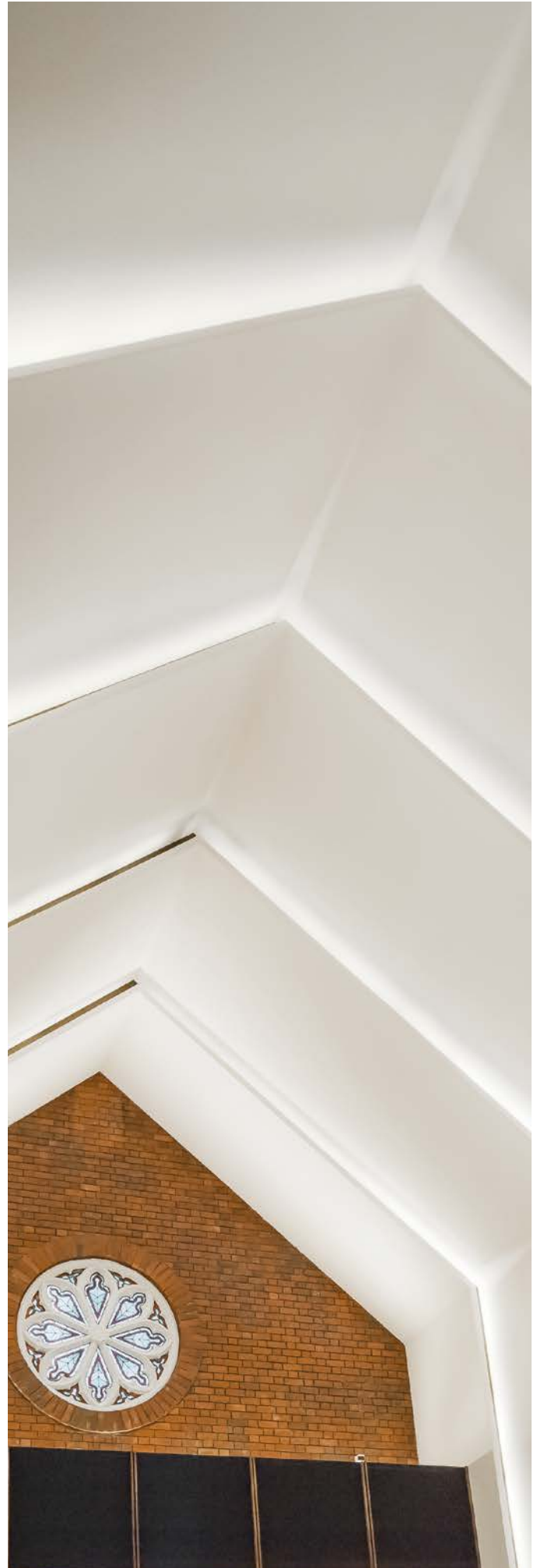
## 210 Acoustic elements

210 StoSilent Modular 100

212 StoSilent Modular 200

## 213 Acoustic renovation

## 213 Accessories





## Overview of acoustic systems

System	Version	Acoustic panel	Finish	Maximum sound absorption $\alpha_W$ in accordance with EN 11654	Reaction to fire (class) in accordance with EN 13501	Area of application	
						Ceiling	Wall
Suspended acoustic systems	StoSilent Distance C	StoSilent Board 205 C	StoSilent Decor	0,70 (L) <sup>1)</sup>	A2-s1, d0	■ ■	■ ■
			StoSilent Top Basic natural	0,55		■ ■	■ ■
			StoSilent Top Finish	0,65 (L) <sup>1)</sup>		■ ■	■ ■
		StoSilent Board 105 C	StoSilent Decor	0,951)		■ ■	■ ■
			StoSilent Top Basic natural	0,65 (L) <sup>1)</sup>		■ ■	■ ■
			StoSilent Top Finish	0,80 <sup>1)</sup>		■ ■	■ ■
	StoSilent Distance S	StoSilent Board 100 S	StoSilent Top Basic natural	0,65		■ ■	■ ■
			StoSilent Top Finish	0,80		■ ■	■ ■
	StoSilent Distance F	StoSilent Board 110 S	StoSilent Decor	0,80		■ ■	■ ■
		StoSilent Board 310 F	StoSilent Decor	0,45 (H)		■ ■	■ ■
Bonded acoustic systems	StoSilent Direct	StoSilent Board MW 100	visible joints uncoated	1.00	A2-s1, d0	■ ■	■ ■
			visible joints	0.95		■ ■	■ ■
			StoColor Climasan	1.00		■ ■	■ ■
			visible joints	1.00		■ ■	■ ■
			StoSilent Decor	0,85		■ ■	■ ■
			seamless	0,85		■ ■	■ ■
			StoSilent Miral AP	0,80		■ ■	■ ■
			seamless	0,80		■ ■	■ ■
			StoSilent Decor	1.00		■ ■	■ ■
			seamless	1.00		■ ■	■ ■
StoSilent Frame	StoSilent Board R 400	colour coating	depending on format and suspension height	on request	■ ■	■ ■	
		StoSilent Sil AP with	0,45 (MH)	C-s1, d0	■ ■	■ ■	
Acoustic plaster systems	StoSilent Compact		StoSilent Decor	0,30 (H) 15 mm	A2-s1, d0	■ ■	■ ■
			StoSilent Miral AP optional StoColor Silent	0,50 (MH) 25 mm			
Acoustic elements	StoSilent Modular	StoSilent Modular 100	without	depending on	B-s1, d0	■ ■	■ ■
		StoSilent Modular 230	colour coating	format and suspension height	A2-s1, d0 (panel)	■ ■	■ ■
	StoSilent Baffle	StoSilent Baffle R 100	colour coating	0,55 (MH)	on request	C-s3, d0 (fleece)	■ ■

■ ■ excellent  
■ good

<sup>1)</sup> with 30 mm pad made of 30 mm mineral wool EN 13162 AF5 20 - 30 kg/m<sup>2</sup>

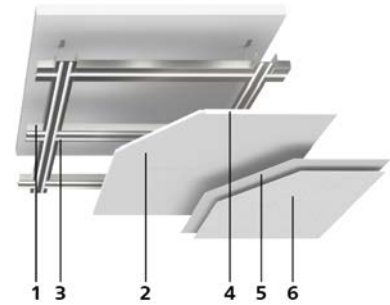


## StoSilent Distance C

Suspended acoustic system made of expanded glass granulate boards  
Suspended, bonded acoustic system for level, ventilated, seamless surfaces

### System advantages

- low weight
- simple application thanks to a homogeneous panel structure
- high degree of stiffness
- low moisture-induced and thermal expansion
- seamless installation possible on areas of up to 200 m<sup>2</sup>
- harmonious sound absorption across a wide frequency range
- bonded acoustic panels



- 1 Sub-construction
- 2 Acoustic panel
- 3 Bonding
- 4 Edge finish
- 5 Intermediate coat
- 6 Finishing coat

### Overview StoSilent Distance C

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• for reducing noise and reverberation</li> <li>• as a construction with cavity</li> <li>• for level wall surfaces and level ceiling areas</li> <li>• not bendable</li> <li>• not suitable for wall areas which can be reached by hand or which are exposed to other types of mechanical stress</li> <li>• especially suitable for ceilings and upper wall areas of escape routes, corridors, staircases or meeting places</li> <li>• not suitable for splash zones</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• sub-construction at the same level</li> <li>• metal sub-construction in accordance with EN 13964 with vernier hangers</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• class A2-s1, d0 in accordance with EN 13501-1</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• coating StoSilent Top on StoSilent Board 105 C:               <ul style="list-style-type: none"> <li>- <math>\alpha_w</math>: maximum 0.80, in accordance with EN 11654</li> <li>- NRC: maximum 0.80, in</li> </ul> </li> <li>• coating StoSilent Decor on StoSilent Board 105 C:               <ul style="list-style-type: none"> <li>- [AlphaW]: maximum 0.95, in accordance with EN 11654</li> <li>- NRC: maximum 0.90, in</li> </ul> </li> <li>• coating StoSilent Top on StoSilent Board 205 C:               <ul style="list-style-type: none"> <li>- <math>\alpha_w</math>: maximum 0.65, in accordance with EN 11654</li> <li>- NRC: maximum 0.65, in</li> </ul> </li> <li>• coating StoSilent Decor on StoSilent Board 205 C:               <ul style="list-style-type: none"> <li>- [AlphaW]: maximum 0.70, in accordance with EN 11654</li> <li>- NRC: maximum 0.75, in accordance with ASTM C 423</li> </ul> </li> <li>• values depending on the construction height</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• acoustic plaster with smooth surface and fine graining with StoSilent Top Basic</li> <li>• acoustic plaster with a smooth surface and finest graining with StoSilent Top Finish</li> <li>• acoustic spray plaster with a textured surface and fine graining with StoSilent Decor M or StoSilent Decor MF</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• simple and fast installation due to light panel weight</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.

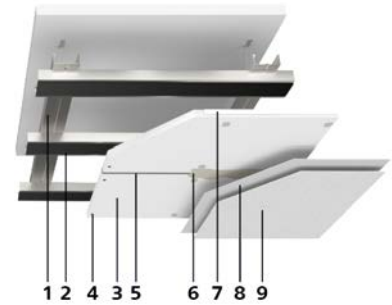


## StoSilent Distance S

Suspended acoustic system made of expanded glass granulate boards  
Suspended, screwed acoustic system  
for level, ventilated, seamless surfaces

### System advantages

- low weight
- simple application thanks to a homogeneous panel structure
- high degree of stiffness
- low moisture-induced and thermal expansion
- with airtight facing
- seamless installation possible on areas of up to 200 m<sup>2</sup>
- harmonious sound absorption across a wide frequency range
- screwed acoustic panels



- 1 Sub-construction
- 2 Waterproofing
- 3 Acoustic panel
- 4 fixing with screws, bonded board joints
- 5 Bonding
- 6 Filler and levelling coat
- 7 Edge finish
- 8 Intermediate coat
- 9 Finishing coat

### Overview StoSilent Distance S

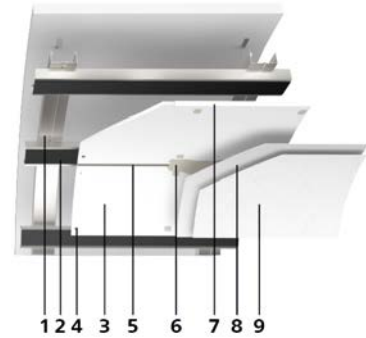
<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• as a construction with cavity</li> <li>• for level wall surfaces and level ceiling areas</li> <li>• for ventilated wall areas and ventilated ceiling areas</li> <li>• not bendable</li> <li>• not suitable for wall areas which can be reached by hand or which are exposed to other types of mechanical stress</li> <li>• especially suitable for ceilings and upper wall areas of escape routes, corridors, staircases or meeting places</li> <li>• not suitable for splash zones</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• height offset sub-construction</li> <li>• metal sub-construction in accordance with EN 13964 with vernier hangers</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• class A2-s1, d0 in accordance with EN 13501-1</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• coating StoSilent Top on StoSilent Board 100 S:</li> <li>- <math>\alpha_w</math>: coating StoSilent Decor on StoSilent Board 110 S:</li> <li>- <math>\alpha_w</math>: maximum 0.80, in accordance with EN 11654</li> <li>- NRC: maximum 0.75, in accordance with ASTM C 423</li> <li>• values depending on the construction height</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• acoustic plaster with smooth surface and fine graining with StoSilent Top Basic</li> <li>• acoustic plaster with a smooth surface and finest graining with StoSilent Top Finish</li> <li>• acoustic spray plaster with a textured surface and fine graining with StoSilent Decor M or StoSilent Decor MF</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• simple and fast installation due to light panel weight</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.

## StoSilent Distance F

Suspended, bendable acoustic system made of expanded glass granulate boards  
Suspended, screwed acoustic system for curved, ventilated, seamless surfaces

### System advantages

- low weight
- simple application thanks to a homogeneous panel structure
- high degree of stiffness
- low moisture-induced and thermal expansion
- with airtight facing
- seamless installation possible on areas of up to 200 m<sup>2</sup>
- screwed acoustic panels



- 1 Sub-construction
- 2 Waterproofing
- 3 Acoustic panel
- 4 fixing with screws, bonded board joints
- 5 Bonding
- 6 Filler and levelling coat
- 7 Edge finish
- 8 Intermediate coat
- 9 Finishing coat

### Overview StoSilent Distance F

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• as a construction with cavity</li> <li>• for level wall surfaces and level ceiling areas</li> <li>• for ventilated wall areas and ventilated ceiling areas</li> <li>• for curved wall areas and curved ceiling areas</li> <li>• bendable from radii of 5 m</li> <li>• not suitable for wall areas which can be reached by hand or which are exposed to other types of mechanical stress</li> <li>• not suitable for splash zones</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• height offset sub-construction</li> <li>• metal sub-construction in accordance with EN 13964 with vernier hangers</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• class B-s1, d0 in accordance with EN 13501-1</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• StoSilent Decor coating</li> <li>- StoSilent Board 310 F: <math>\alpha_w</math> in accordance with EN 11654: max. 0.45; NRC in accordance with ASTM C 423: max. 0.50</li> <li>• values depending on the construction height</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• acoustic spray plaster with a textured surface and fine graining with StoSilent Decor M or StoSilent Decor MF</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• complete selection of detail solutions</li> <li>• simple and fast installation due to light panel weight</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## System description of StoSilent Distance

System variant	StoSilent Distance C	StoSilent Distance S	StoSilent Distance F
<b>Sub-construction</b>	Metal sub-construction in accordance with EN 13964 with compression-proof vernier hangers		
	carrier and transverse profiles at the same level, made from CD profiles and level connectors	carrier and installation profiles with a height offset, made from CD profiles and cross-connectors	
<b>Waterproofing</b> refer to chapter: System components		<b>StoSilent Profile Tape</b>	
<b>Fixing</b> refer to chapter: System components		Drywall screw type TMN in accordance with EN 14566	
<b>Bonding</b> refer to chapter: System components	<b>StoColl HT</b>	Bond board edges and seal cut edges with <b>StoSilent Fix</b>	
<b>Acoustic panel</b> refer to chapter: System components	<b>StoSilent Board 205 C or StoSilent Board 105 C</b>	<b>StoSilent Board 100 S</b>	<b>StoSilent Board 110 S</b> or <b>StoSilent Board 310 F</b>
<b>Filling and levelling coat</b> refer to chapter: System components			Fill joints and screw holes with <b>StoSilent Plan</b>
<b>Intermediate coat</b> refer to chapter: System components	<b>StoSilent Top Basic natural</b>		<b>StoSilent Decor M</b>
<b>Finish</b> refer to chapter: System components	<b>StoSilent Top Basic or StoSilent Top Finish</b>		<b>StoSilent Decor M or StoSilent Decor MF</b>

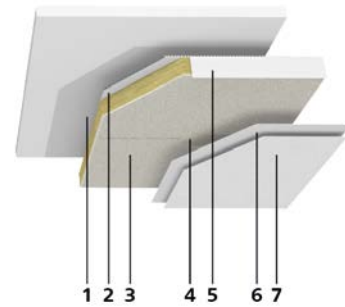
# StoSilent Direct

## Bonded acoustic system made of coated acoustic boards

### Directly bonded acoustic system for seamless surfaces

#### System advantages

- reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0
- reduced reverberation time and noise level
- installation without sub-construction
- easy to apply
- available system thicknesses: 40 mm, 50 mm, and 70 mm



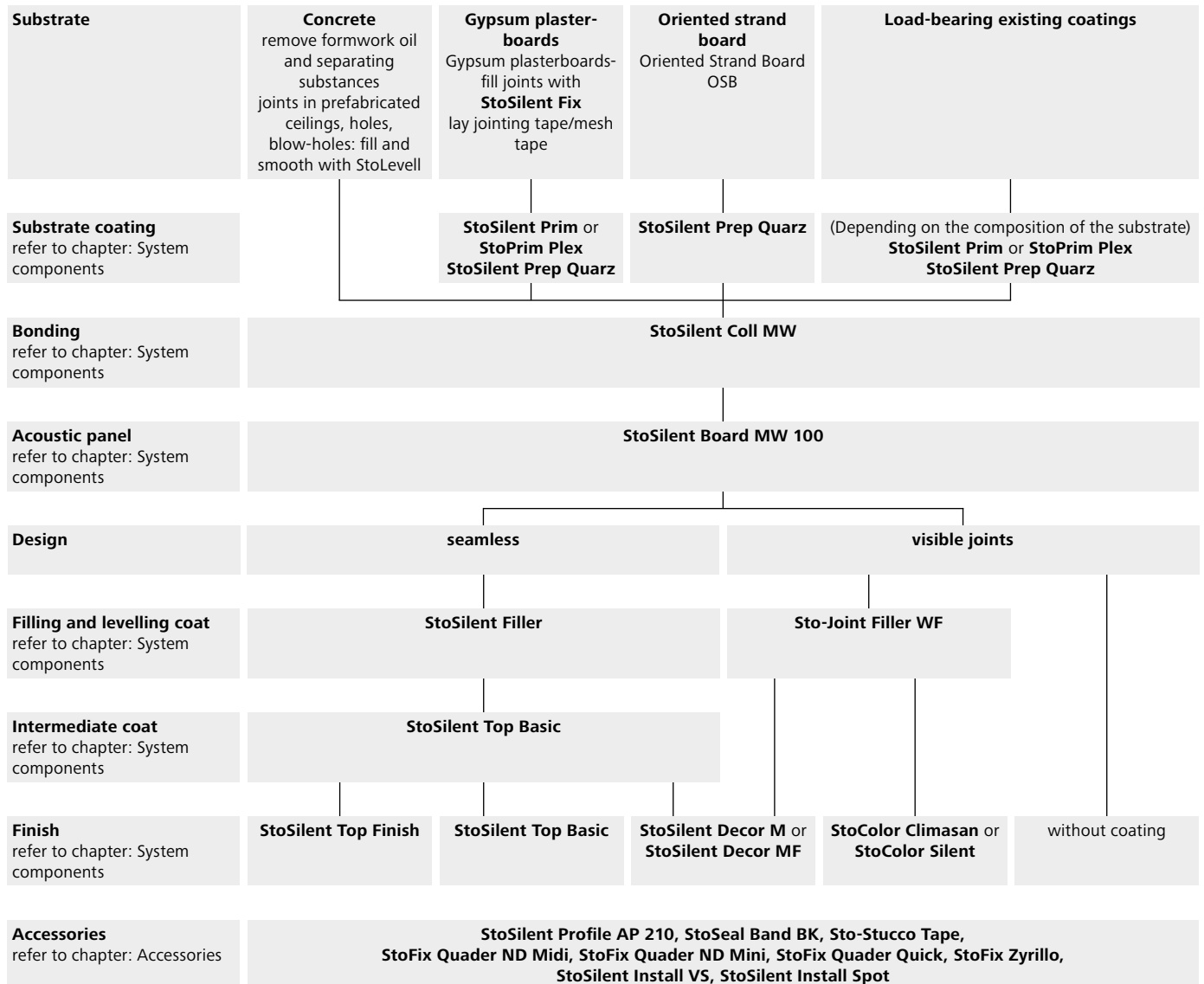
- 1 Priming coat
- 2 Bonding
- 3 Acoustic panel
- 4 Filler and levelling coat
- 5 Edge finish
- 6 Intermediate coat
- 7 Finishing coat

#### Overview StoSilent Direct

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• for ceilings and upper wall areas</li> <li>• not suitable for wall areas which can be reached by hand or which are exposed to other types of mechanical stress</li> <li>• especially suitable for ceilings and upper wall areas of escape routes, corridors, staircases or meeting places</li> <li>• suitable for solid building elements, coarse chipboard OSB, and gypsum plasterboard suspended ceilings</li> <li>• exterior, for selected areas (see StoSilent planning manual)</li> <li>• for smooth surfaces and curved surfaces (convex, concave, no spherical surfaces)</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• full-surface bonding directly to substrate</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0</li> <li>• fire resistance class REI60 in accordance with EN 13501-2 (wooden beam ceiling) classification report no. KB 3.2/19-423-1</li> <li>• covering in class K260 classification report no. KB 3.2/19-423-2</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• seamless, StoSilent Top Finish coating on StoSilent Top Basic: <math>\alpha_w</math> in accordance with EN 11654 max. 0.65; NRC in accordance with ASTM C 423 max. 0.65</li> <li>• seamless, StoSilent Top Basic finishing coat on StoSilent Top Basic Basic: <math>\alpha_w</math> in accordance with EN 11654 max. 0.65; NRC in accordance with ASTM C 423 max. 0.65</li> <li>• seamless, StoSilent Decor M/MF coating on StoSilent Top Basic: <math>\alpha_w</math> in accordance with EN 11654 max. 0.80; NRC in accordance with ASTM C 423 max. 0.90</li> <li>• seamless, single-layer coating StoSilent Top Basic: <math>\alpha_w</math> in accordance with EN 11654 max. 0.75; NRC in accordance with ASTM C 423 max. 0.75</li> <li>• visible joints, StoSilent Decor M/MF coating: <math>\alpha_w</math> in accordance with EN 11654 max. 1.00; NRC in accordance with ASTM C 423 max. 1.00</li> <li>• visible joint, StoColor Climasan or StoColor Silent coating: <math>\alpha_w</math> in accordance with EN 11654 max. 0.95; NRC in accordance with ASTM C 423 max. 1.00</li> <li>• visible joints, without coating: <math>\alpha_w</math> in accordance with EN 11654 max. 1.00; NRC in accordance with ASTM C 423 max. 1.00</li> <li>• values depend on system thickness in each case</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• acoustic plaster with smooth surface and fine graining with StoSilent Top Basic</li> <li>• acoustic plaster with a smooth surface and finest graining with StoSilent Top Finish</li> <li>• acoustic spray plaster with a textured surface and fine graining with StoSilent Decor M or StoSilent Decor MF</li> <li>• StoColor Climasan or StoColor Silent</li> <li>• without coating</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• by trained specialists</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## System description of StoSilent Direct



# StoSilent Compact

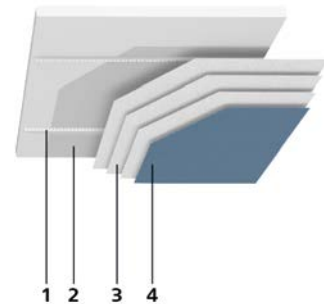
## Silicate acoustic plaster system with a finely textured plaster coating Acoustic system for seamless surfaces

### System advantages

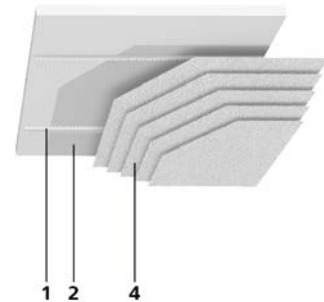
- porous decorative coating
- low weight
- good sound absorption in the medium- and high-frequency range

### Overview StoSilent Compact

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• for ceilings and upper wall areas</li> <li>• do not use in brine pools, steam baths and on gypsum fibre boards</li> <li>• for smooth surfaces and barrel vaults</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• reaction to fire (class) in accordance with EN 13501-1: C-s1, d0</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• StoSilent Decor coating: <math>\alpha_w</math> in accordance with EN 11654 max. 0.45 (MH); NRC in accordance with ASTM C 423 max. 0.60</li> <li>• values depend on the application method</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• acoustic spray plaster with a textured surface and fine graining with StoSilent Decor M or StoSilent Decor MF</li> <li>• broad scope for colour design</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• white (ca. RAL 9010)</li> <li>• tintable in accordance with the StoColor System</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• by trained specialists</li> <li>• multi-layer</li> <li>• thickness: 25 mm</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



- 1 System profile
- 2 Priming coat
- 3 Intermediate coat
- 4 Finishing coat



- 1 System profile
- 2 Priming coat
- 3 No intermediate coat required
- 4 Finishing coat



## System description of StoSilent Compact Sil

<b>System profile</b> refer to chapter: System components	<b>StoSilent Profile PL</b> <b>Sto-Stone Paste</b>
<b>Substrate coating</b> refer to chapter: System components	<b>StoSilent Prim or StoPrim Plex</b> <b>StoSilent Prep Quarz</b>
<b>Intermediate coat</b> refer to chapter: System components	1st and 2nd layer <b>StoSilent Sil AP Comp. A</b> with <b>StoSilent Sil AP Comp. B</b>  3rd layer <b>StoSilent Sil AP Comp. A</b> with <b>StoSilent Sil AP Comp. B</b>
<b>Finish</b> refer to chapter: System components	<b>StoSilent Decor M</b> or <b>StoSilent Decor MF</b>





# System components

200 Sub-construction

200 System profiles

200 Priming coat

201 Waterproofing

202 Acoustic panels

204 Fixing

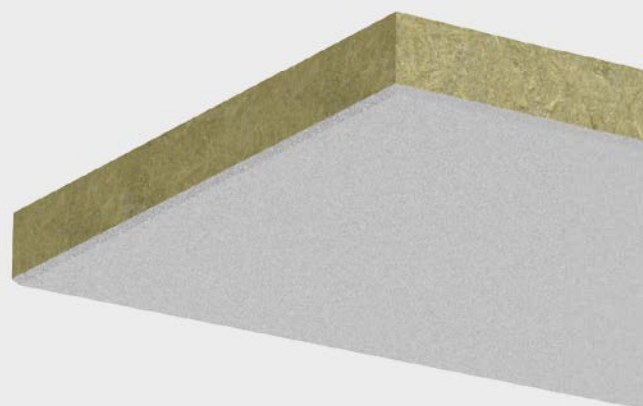
204 Bonding

205 Filling and levelling coat

206 Edge finish

206 Intermediate coat

207 Finishing coat





## Sub-Construction for Acoustic Panels

Compression-proof metal sub-construction in accordance with EN 13964



### System profiles

#### StoSilent Profile PL

Depth gauge for application of even layers

**Area of application**

for the application of StoSilent Sil AP in an even layer thickness

**Properties**

made of rigid PVC

**Notes**

bonded with e.g. Soudal Fix All Flexi

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	20 x 20 mm length: 250 cm
<b>Colour shade</b>	white
<b>Application</b>	fix to substrate at intervals of 1 m

#### StoSilent Profile AS

Stop profile for StoSilent Miral AP

**Area of application**

stop profile for junctions and for creating friezes, for StoSilent Miral AP

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	20 x 10 mm length: 250 cm
<b>Colour shade</b>	white
<b>Application</b>	fix to substrate at intervals of 1 m

#### Sto-Stone Paste

Dispersion adhesive with extremely high adhesive strength



**Area of application**

exterior and interior, for all-purpose applications, e.g. on wood particle boards in the prefabricated housing sector, on galvanised sheet metal, wood, expanded polystyrene, as well as for bonding profiles in the area of acoustics

**Properties**

paste-form, with very high adhesive strength



<b>Approx. consumption</b>	1.00 kg/m <sup>2</sup>
<b>Colour shade</b>	natural white
<b>Application</b>	 

### Priming coat

#### StoPrim Plex

Water-based acrylate deep-acting primer, tested for harmful substances




**Area of application**

exterior and interior, on mineral and organic substrates and coatings

**Properties**

absorbency-regulating, surface-consolidating, adhesion-promoting, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls



<b>Approx. consumption</b>	0.10 - 0.40 l/m <sup>2</sup> per paint coat
<b>Colour shade</b>	farblos
<b>Application</b>	  



## StoSilent Prep Quarz

Organic bonding agent for acoustic plasters from Sto





### Area of application

interior, for the StoSilent Direct and StoSilent Compact acoustic systems, on substrates that are not suitable for direct plastering due to high density or low absorption capacity (smooth concrete, gypsum plasterboards, type A in accordance with EN 520, etc.)

### Properties

filled, adhesion-promoting



<b>Approx. consumption</b>	0.90 kg/m <sup>2</sup> as a primer (adhesion primer) for spray application 1.0 - 1.1 kg/m <sup>2</sup> as a primer (adhesion primer) for trowel application
<b>Colour shade</b>	green
<b>Application</b>	 

## StoPrep Vapor

Two-component vapour barrier suitable for brush and roller application



### Area of application

interior, for all types of wet rooms and rooms exposed to moisture (swimming pools, showers, areas of high humidity in industrial buildings, saunas and similar)

### Properties

liquid vapour barrier, thixotropic

<b>Approx. consumption</b>	0.60 kg/m <sup>2</sup> for 2 coats 0.90 kg/m <sup>2</sup> for 3 coats
<b>Application</b>	 

## Waterproofing

### StoSilent Profile Tape

Self-adhesive special adhesive tape for CD profiles



### Area of application

interior, for suspended ceiling and wall structures in the StoSilent Distance system, for the airtight installation of acoustic panels onto the sub-construction, for an airtight seal of the screw points, for attaching to the fine grid of the compression-proof suspended or set-forward metal sub-construction

### Properties

self-adhesive, high flexibility, composition: elastomer film based on a rubber system with a self-adhesive facing



<b>Approx. consumption</b>	2.50 m/m <sup>2</sup>
<b>Format</b>	length: 25 m 60 x 0.5 mm
<b>Colour shade</b>	black
<b>Application</b>	bonding onto sub-construction



### StoSilent Board 105 C

Acoustic panel made of expanded glass granulate for suspended ceiling structures



#### Area of application

Interior, for suspended ceiling and wall structures, for the StoSilent Distance A2 acoustic system, fixing with screws, bonded board joints

#### Properties

up to 200 m<sup>2</sup> possible without expansion joint (max. side length: 20 m), reduction in the reverberation time and noise level, improved ability to concentrate, improvement in speech intelligibility, weighted sound absorption coefficient  $\alpha_w$  of up to 0.80 depending on the suspension height, low weight and high stiffness, low moisture-induced and thermal expansion

#### Notes

use in brine or saltwater swimming pools only on request, not suitable for radii and areas subject to mechanical stress, not suitable in splash water zones, observe installation instructions



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	board edge: sharp-edged length x width x thickness 1200 x 625 x 25 mm
<b>Appearance</b>	smooth surface depending on the finishing coat: fine graining with StoSilent Top Basic or ultra-fine graining with StoSilent Top Finish
<b>Colour shade</b>	visible side: white (approx. RAL 9002) rear side: grey (approx. RAL 7047)

### StoSilent Board 205 C

Acoustic panel made of expanded glass granulate for suspended ceiling and wall structures



#### Area of application

Interior, for suspended ceiling structures, for suspended wall structures, for the StoSilent Distance acoustic system, fixing: bonded

#### Properties

structure without expansion joint up to 200 m<sup>2</sup> possible and maximum 20 m side length, reduction in the reverberation time, reduction of noise level, improved ability to concentrate, improvement in speech intelligibility, weighted sound absorption coefficient  $\alpha_w$ : maximum 0.70 (l), depending on the suspension height, low weight, high degree of stiffness

#### Notes

use the product in brine or saltwater swimming pools only on request, the product is not suitable for splash zones, the product is not suitable for radiuses < 10 m, the product is not suitable for areas subject to mechanical stress, observe the installation instructions of the acoustic panel



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	board edge: sharp-edged, coated length x width x thickness: 1200 x 800 x 19 mm
<b>Appearance</b>	smooth surface depending on the finishing coat: fine graining with StoSilent Top Basic or ultra-fine graining with StoSilent Top Finish
<b>Colour shade</b>	white, ca. RAL 1013

## Acoustic panel

### StoSilent Board 100 S

Acoustic panel made of expanded glass granulate for suspended ceiling and wall structures



#### Area of application

interior, for suspended ceiling and wall structures, for the StoSilent Distance A2 acoustic system, fixing with screws, bonded board joints

#### Properties

up to 200 m<sup>2</sup> possible without expansion joint (max. side length: 20 m), reduction in the reverberation time and noise level, improved ability to concentrate, improvement in speech intelligibility, weighted sound absorption coefficient  $\alpha_w$  of up to 0.80 depending on the suspension height, low weight and high stiffness, low moisture-induced and thermal expansion

#### Notes

use in brine or saltwater swimming pools only on request, not suitable in splash water zones, not suitable for radii and areas subject to mechanical stress, observe installation instructions



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	board edge: sharp-edged/coated length x width x thickness 1200 x 625 x 25 mm
<b>Appearance</b>	smooth surface depending on the finishing coat: fine graining with StoSilent Top Basic or ultra-fine graining with StoSilent Top Finish
<b>Colour shade</b>	visible side: white (approx. RAL 9002), rear side: grey (approx. RAL 7039)



### StoSilent Board 110 S

Acoustic panel made of expanded glass granulate for suspended ceiling and wall structures



#### Area of application

interior, for suspended ceiling and wall structures, for the StoSilent Distance A2 acoustic system, fixing with screws, bonded board joints

#### Properties

up to 200 m<sup>2</sup> possible without expansion joint (max. side length: 20 m), reduction in the reverberation time and noise level, improved ability to concentrate, improvement in speech intelligibility, weighted sound absorption coefficient  $\alpha_w$  of up to 0.80 depending on the suspension height, low weight and high stiffness, low moisture-induced and thermal expansion

#### Notes

use in brine or saltwater swimming pools only on request, not suitable in splash water zones, not suitable for radii and areas subject to mechanical stress, observe installation instructions



<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	board edge: sharp-edged/coated length x width x thickness 1200 x 625 x 25 mm
<b>Appearance</b>	textured surface fine graining with the StoSilent Decor M or StoSilent Decor MF finishing coat
<b>Colour shade</b>	visible side: white (approx. RAL 9003), rear side: grey (approx. RAL 7039)

### StoSilent Board 310 F

Acoustic panel made of expanded glass granulate for suspended ceiling and wall structures



#### Area of application

interior, for suspended ceiling and wall structures, for the StoSilent Distance Flex acoustic system, for structures with increased requirements on mechanical resistance as well as for bent constructions (radius > 5 m), fixing with screws, bonded board joints

#### Properties

up to 200 m<sup>2</sup> possible without expansion joint (max. side length: 20 m), reduction in the reverberation time and noise level, improved ability to concentrate, improvement in speech intelligibility, weighted sound absorption coefficient  $\alpha_w$  of up to 0.45 depending on the suspension height, low weight and high stiffness, low moisture-induced and thermal expansion

#### Notes

use in brine or saltwater swimming pools only on request, not suitable in splash water zones, not suitable for areas subject to mechanical stress, observe installation instructions

<b>Approx. consumption</b>	1.00 m <sup>2</sup> /m <sup>2</sup>
<b>Format</b>	board edge: sharp-edged/coated length x width x thickness 2400 x 1200 x 15 mm
<b>Appearance</b>	textured surface fine graining with the StoSilent Decor M or StoSilent Decor MF finishing coat
<b>Colour shade</b>	visible side: white (approx. RAL 9010), rear side: grey (approx. RAL 7039)

### StoSilent Board MW 100

Acoustic panel made of coated mineral wool



#### Area of application

interior, for smooth and curved areas, for the StoSilent Direct acoustic system, fixing by bonding

#### Properties

weighted sound absorption coefficient  $\alpha_w$  of up to 1.00 depending on the board thickness and finishing coat, seamless installation possible on areas of up to 200 m<sup>2</sup>, low weight and high stiffness, low moisture-induced and thermal expansion, easy to apply

#### Notes

use in brine or saltwater swimming pools only on request, not suitable in splash water zones, not suitable for areas subject to mechanical stress, observe installation instructions



<b>Approx. consumption</b>	2.08 pcs./m <sup>2</sup>
<b>Format</b>	straight-edged board edge with 45° bevel in the ceiling membrane length x width x thickness 600 x 800 x 36 mm 600 x 800 x 46 mm 600 x 800 x 66 mm
<b>Appearance</b>	granulate surface finishing coat options: without coating, visible joints StoColor Climasan or StoColor Silent, visible joints StoSilent Decor M/MF, visible joints StoSilent Decor M/MF, seamless StoSilent Top Basic, seamless StoSilent Top Finish, seamless
<b>Colour shade</b>	visible side: grey-white (approx. RAL 9002), rear side: yellow-grey



## Fixing

### StoSilent Install M100

4-part suspension set for StoSilent Modular 100

**Area of application**

interior, for suspending the StoSilent Modular 100 acoustic ceiling element

**Properties**

suspension height: max. 50 cm or 250 cm, 4 hangers per set, 3 versions to choose from

**Notes**

select appropriate fixing (not included) for the substrate/structure, vernier hanger 50 cm long, consisting of: 4 top vernier parts 49 cm (galvanised), 4 bottom vernier parts 17 cm (galvanised), 4 StoSilent Modular 100 Connector connecting hooks (galvanised), 4 hexagon bolts M5 x 8, 4 hexagon nuts M5, 2 locking pins, 2 washers, rod hanger 50 cm long, consisting of: 4 threaded rods M6 50 cm (stainless steel), 8 hexagon nuts M6, 4 StoSilent Modular 100 Connector connecting hooks, 8 washers, cable hanger 50 cm or 250 cm long, consisting of: 4 ceiling fasteners (nickel-plated), 4 screw caps (nickel-plated), 4 cable holders (nickel-plated), 4 wire cables 50 cm or 250 cm long (galvanised), 4 StoSilent Modular 100 Connector connecting hooks, 4 hexagon bolts M5 x 8, 4 washers

<b>Format</b>	suspension height: max. 50 cm or 250 cm
<b>Appearance</b>	vernier hanger: galvanised rod hanger: stainless steel cable hanger: nickel-plated, galvanised

## Bonding

### StoSilent Fix

Joint filler on a gypsum base for Sto acoustic panel systems

**Area of application**

interior, for bonding the board joints of the StoSilent Distance acoustic system, for filling the screw holes

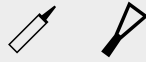
**Properties**

very good adhesive strength, quick-drying, good adhesion

**Notes**

do not mix with other materials, consumption may vary depending on the system



<b>Approx. consumption</b>	0.50 kg/m <sup>2</sup> for small-format boards 0.30 kg/m <sup>2</sup> for large-format boards
<b>Appearance</b>	matt
<b>Colour shade</b>	natural white
<b>Application</b>	 apply with a filler scraper or a cartridge

### StoSilent Coll MW

Mineral system adhesive for StoSilent acoustic systems


**Area of application**

interior, as a bonding mortar for the StoSilent Direct acoustic system, on mineral substrates, on organic substrates with an intermediate coat of StoSilent Prep Quarz, on organic substrates with an intermediate coat of StoPrep Contact

**Properties**

reaction to fire (class) A1 in accordance with EN 13501-1, good wet adhesive strength, optimum non-sag properties, perfectly matched to the StoSilent Direct acoustic system



<b>Approx. consumption</b>	3.5 - 4.0 kg/m <sup>2</sup> bonding 1.2 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	white
<b>Application</b>	



## StoSilent Coll MW-G

System adhesive on a gypsum base for bonding the StoSilent Direct acoustic system onto substrates made of gypsum boards and gypsum fibreboards



### Area of application

interior, for bonding the StoSilent Board MW 100 acoustic panels, substrates: on uncoated gypsum plasterboards, type A in accordance with EN 520, on primed gypsum fibreboards, type GF in accordance with EN 15283-2, on primed, filled gypsum plasterboard surfaces

### Properties

reaction to fire (class) A1 in accordance with EN 13501-1, good wet adhesive strength, optimal resistance to flow, perfectly matched to the StoSilent Direct acoustic system



<b>Approx. consumption</b>	3.0 - 4.0 kg/m <sup>2</sup> bonding 1.2 kg/m <sup>2</sup> per mm layer thickness
<b>Colour shade</b>	white
<b>Application</b>	

## StoColl HT

Adhesive and sealant with very high initial adhesion



### Area of application

interior, exterior, for the bonding and sealing of profiles and tracks, for the bonding of materials, in the system StoSilent Distance: Fix the acoustic panels with the adhesive compound.

### Properties

single-component, very high initial adhesion, high resistance, very high adhesive strength, very low emissions, non-corrosive, colour-fast, weather-resistant, UV-resistant, very low-emission: Emicode® EC1 Plus, elastic, on an MS polymer base

### Notes

storage life: 12 months from the date of manufacture, in unopened packaging, stored in a cold and dry area (+5 °C bis +25 °C), close opened containers tightly and use within a short period of time, consumption depends on the substrate, observe the application guideline for StoSilent Distance, scope of delivery: 12 tubular bags in a box, 5 nozzles with V-shaped detail

<b>Approx. consumption</b>	240 - 260 g/m <sup>2</sup> Consumption for bonding the acoustic panels in the StoSilent Distance system.
<b>Format</b>	tubular bag: 600 ml
<b>Colour shade</b>	white

## Filler and levelling coat

### StoSilent Plan

Organic filler for suspended acoustic panel systems from Sto



### Area of application

interior, for the StoSilent Distance and StoSilent Distance A2 acoustic systems, for levelling unevenness of max. 1 mm, for filling and closing butt joints and screw holes, on acoustic panel systems from Sto which will subsequently be coated with StoSilent Decor M or StoSilent Decor MF

### Properties

high adherence in fresh state, quick-drying, good suitability for sanding

### Notes

consumption may vary depending on the system



<b>Approx. consumption</b>	0.25 kg/m <sup>2</sup> as levelling compound for small-format panels 0.20 kg/m <sup>2</sup> as levelling compound for large-format panels
<b>Appearance</b>	matt
<b>Colour shade</b>	white (ca. RAL 9003)

### StoSilent Filler

Porous joint filler made of expanded glass granulate



### Area of application

interior, for filling and smoothing open joints in the StoSilent Direct acoustic system, do not mix with other materials

### Properties

good wet adhesive strength, easily workable, porous texture, suitable for sanding



<b>Approx. consumption</b>	0.10 kg/m <sup>2</sup>
<b>Colour shade</b>	grey white



### Sto-Joint Filler WF

Acrylic sealant



**Area of application**


exterior and interior, for bonding interior profiles, for waterproofing joints with no or very little movement, not suitable for joints with moderate and large movements (e.g. window connection joints, expansion joints)

**Properties**

plasto-elastic, does not contain plasticisers which may be released from the product

**Notes**

the product is not resistant to constant water exposure and should be protected by a paint coat in exteriors

<b>Format</b>	310 ml cartridge
<b>Colour shade</b>	white
<b>Application</b>	 with a suitable cartridge gun

### Edge finish

#### StoSilent Profile AP

Stop profile



**Area of application**

stop profile for acoustic panel systems with a board thickness of 15 mm, stop profile for acoustic panel systems with a board thickness of 25 mm

**Properties**

made of steel sheet, powder-coated

**Notes**

bonded with e.g. Soudal Fix All Flexi or StoSeal F 505

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	27 x 16.5 mm 27 x 27.5 mm length: 250 cm
<b>Colour shade</b>	white (ca. RAL 9016)
<b>Application</b>	bond along the edges of the board

#### Sto-Stucco Tape

High-quality foam tape with adhesive edge



**Area of application**

ideal for joint, wall, and ceiling junctions in drywall construction and plastering work, interior, for edge junctions in the StoSilent Direct system, as a decoupling tape for the Sto internal insulation system for walls

**Properties**

prevents crack formation, with an adhesive edge

<b>Format</b>	length: 30 m width: 30, 50, 70 mm thickness: 3 mm
<b>Colour shade</b>	white

### Intermediate coat

#### StoSilent Top Basic

Organic, porous primer for StoSilent acoustic systems



**Area of application**

interior, as a priming coat for the StoSilent Direct, StoSilent Distance and StoSilent Modular 400 acoustic systems, can also be used as a finishing coat if applied in 2 layers, in the StoSilent Direct system, seamless coated and with low visual quality requirements, if applied with a 6 mm notched trowel can also be used as a single layer



**Properties**

porous, fine graining

**Notes**

porosity is produced by means of a special application technique



<b>Approx. consumption</b>	1.50 - 3.00 kg/m <sup>2</sup> as intermediate coat
<b>Appearance</b>	matt smooth surface
<b>Colour shade</b>	white (ca. RAL 9001) 
<b>Application</b>	





## StoSilent Decor M

Preservative-free, porous, silicate acoustic coating



### Area of application

interior, as a finishing coat for the following acoustic systems: StoSilent Direct, StoSilent Distance, StoSilent Modular 400, StoSilent Compact and StoSilent Fleece


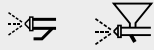
### Properties

porous, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, eco-certified (natureplus®), fine graining, preservative-free

### Notes

porosity is produced by means of a special application technique, StoSilent Board 310, StoSilent Board 310 F, StoSilent Fleece (3 application cycles), StoSilent Board 110 (4 application cycles)



<b>Approx. consumption</b>	1.80 kg/m <sup>2</sup> for 2 application cycles (only StoSilent Compact) 2.70 kg/m <sup>2</sup> for 3 application cycles (depending on the colour shade, a further application cycle may be necessary) 3.20 kg/m <sup>2</sup> for 4 application cycles
<b>Appearance</b>	matt textured surface
<b>Colour shade</b>	signal white (approx. RAL 9003) 
<b>Application</b>	

## StoSilent Sil AP

Multi-layer silicate acoustic plaster



### Area of application


interior, for ceilings and upper wall areas, for the StoSilent Compact Sil acoustic system

### Properties

porous decorative coating, system consisting of 3 components: StoSilent Sil AP Comp. A (binding agent), StoSilent Sil AP Comp. B (extender - medium graining), StoSilent Sil AP Comp. C (extender - fine graining), low weight, layer thickness: approx. 25 mm, good sound absorption in the medium- and high-frequency range

### Notes

do not use in brine pools, steam baths and on gypsum fibre boards

<b>Approx. consumption</b>	component A 10.50 kg/m <sup>2</sup> for layers 1, 2 and 3 component B 34.00 l/m <sup>2</sup> for layers 1 and 2 component C 5.00 l/m <sup>2</sup> for layer 3
<b>Appearance</b>	textured surface with fine graining broad scope for colour design
<b>Colour shade</b>	natural white 
<b>Application</b>	 manual application in four layers, layer thickness: approx. 25 mm

## Finishing coat

## StoSilent Decor M

Preservative-free, porous, silicate acoustic coating



### Area of application

interior, as a finishing coat for the following acoustic systems: StoSilent Direct, StoSilent Distance, StoSilent Modular 400, StoSilent Compact and StoSilent Fleece


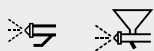
### Properties

porous, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls, eco-certified (natureplus®), fine graining, preservative-free

### Notes

porosity is produced by means of a special application technique, StoSilent Board 310, StoSilent Board 310 F, StoSilent Fleece (3 application cycles), StoSilent Board 110 (4 application cycles)



<b>Approx. consumption</b>	1.80 kg/m <sup>2</sup> for 2 application cycles (only StoSilent Compact) 2.70 kg/m <sup>2</sup> for 3 application cycles (depending on the colour shade, a further application cycle may be necessary) 3.20 kg/m <sup>2</sup> for 4 application cycles
<b>Appearance</b>	matt textured surface
<b>Colour shade</b>	signal white (approx. RAL 9003) 
<b>Application</b>	



### StoSilent Decor MF

Organic, porous acoustic coating



**Area of application**

interior, as a finishing coat for the following acoustic systems: StoSilent Direct, StoSilent Distance, StoSilent Modular 400, StoSilent Compact and StoSilent Fleece, as a tinted finishing coat for StoSilent Decor M


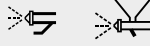
**Properties**

porous, fine graining

**Notes**

porosity is produced by means of a special application technique



<b>Approx. consumption</b>	1.80 kg/m <sup>2</sup> for 2 application cycles of StoSilent Compact 1.40 kg/m <sup>2</sup> for 2 application cycles on StoSilent Decor M 2.70 kg/m <sup>2</sup> for 3 application cycles (depending on the colour shade, a further application cycle may be necessary) 3.20 kg/m <sup>2</sup> for 4 application cycles
<b>Appearance</b>	matt textured surface
<b>Colour shade</b>	white 
<b>Application</b>	

### StoSilent Top Basic

Organic, porous primer for StoSilent acoustic systems



**Area of application**

interior, as a priming coat for the StoSilent Direct, StoSilent Distance and StoSilent Modular 400 acoustic systems, can also be used as a finishing coat if applied in 2 layers, in the StoSilent Direct system, seamless coated and with low visual quality requirements, if applied with a 6 mm notched trowel can also be used as a single layer



**Properties**

porous, fine graining

**Notes**

porosity is produced by means of a special application technique



<b>Approx. consumption</b>	1.50 - 3.00 kg/m <sup>2</sup> as intermediate coat
<b>Appearance</b>	matt smooth surface
<b>Colour shade</b>	white (ca. RAL 9001) 
<b>Application</b>	

### StoSilent Top Finish

Organic, porous finishing coat for StoSilent acoustic systems



**Area of application**

interior, as a finishing coat for the StoSilent Direct, StoSilent Distance and StoSilent Modular 400 acoustic systems

**Properties**

porous, ultra-fine grain size

**Notes**

porosity is produced by means of a special application technique



<b>Approx. consumption</b>	3.00 kg/m <sup>2</sup> as finish
<b>Appearance</b>	matt smooth surface
<b>Colour shade</b>	white (ca. RAL 9016) 
<b>Application</b>	

### StoSilent Miral AP

Mineral acoustic spray plaster



**Area of application**


interior, for ceilings and upper wall areas, for the StoSilent Compact Miral acoustic system

**Properties**

porous decorative coating, coarse graining, good sound absorption in the medium- and high-frequency range, low weight

**Notes**

do not use in brine pools, steam baths and on gypsum fibre boards

<b>Approx. consumption</b>	15.0 l/m <sup>2</sup> at the highest point (15 mm plaster application)/dry matter
<b>Appearance</b>	rough surface
<b>Colour shade</b>	white (ca. RAL 9003), limited tintability with StoTint Aqua
<b>Application</b>	 minimum of five layers, thickness: approx. 15 mm



## StoColor Climasan

Odour-reducing, dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 2 and hiding power 1 in accordance with EN 13300



### Area of application

interior, for walls and ceilings with a sufficient light source, especially suitable for rooms subject to odours and harmful substances





### Properties

breaks down harmful organic substance and odours, effective without UV light, very good hiding power, resistant to surface disinfectants, solvent- and plasticiser-free, low-emission, TÜV seal of quality - externally monitored, free from substances that contribute to "black dust" on walls

### Notes

aged white AW11/AW15, RAL 9010, NCS S 0500N are tinted variants but cost the same as white



<b>Approx. consumption</b>	0.14 - 0.17 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N) 
<b>Application</b>	  

## StoColor Silent

Organic, porous, renovation paint



### Area of application



interior, for suitable acoustic systems from Sto, open-pored renovation paint for acoustic systems and similar systems that are compatible with a water-based coating, suitable as a coating on StoSilent Decor M

### Properties

solvent- and plasticiser-free, low-emission, porous, good hiding power, high whiteness, wide colour shade variety

### Notes

porosity is achieved by means of a special application technique

<b>Approx. consumption</b>	0.15 - 0.30 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white 
<b>Application</b>	



# StoSilent Modular 100

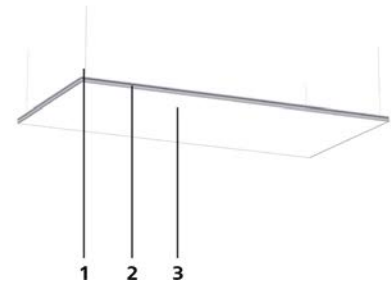
## Sound-absorbing ceiling element made of recycled PET fibres on an aluminium frame

### System advantages

- high degree of sound absorption
- easy to install
- low weight
- prefabricated system
- very large formats available

### Overview StoSilent Modular 100

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• for reducing noise and reverberation</li> <li>• for a bespoke acoustic room treatment</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• with a separately available suspension system</li> <li>• suspension sets in 3 versions: vernier hangers, threaded rod, cable hanger</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• class B-s1, d0 in accordance with EN 13501 (PET board)</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• high sound absorption (depending on suspension height and format)</li> </ul>
<b>Sustainability</b>	<ul style="list-style-type: none"> <li>• board made of recycled PET fibres</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• rectangular formats, min. 500 x 500 mm, max 3000 x 1250 mm</li> <li>• special shapes on request</li> <li>• fine, unidirectional fibre structure</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• PET board: white (approx. RAL 9003)</li> <li>• frame: anodised aluminium silver, natural without texture, colour shade approx. RAL 9006</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• easy to install thanks to prefabricated parts and modules in accordance with installation instructions</li> <li>• quick, clean, and easy application</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



- 1 Hangers  
2 Aluminium frame  
3 PET fibre board



## Acoustic ceiling elements

### StoSilent Modular 100

Sound-absorbing ceiling element made of recycled PET fibres on an aluminium frame



#### Area of application

interior, for reducing noise and regulating reverberation, as a ceiling element

#### Properties

high sound absorption (depending on suspension height and format), carrier board made of synthetic fibres, prefabricated with white nonwoven surface, board material awarded the Oeko-Tex® standard 100 (class 1), surrounding frame and carrier profiles made of anodised aluminium, low weight, robust, stable construction, for immediate installation

#### Notes

use as wall element on request, easy to install via carrier profiles pre-assembled at the factory, and StoSilent Install M100. The StoSilent Install M100 suspension set and the StoSilent Install M100 Connectors need to be ordered separately (delivery without anchors)., do not backlight the elements



<b>Approx. consumption</b>	1.00 pcs.
<b>Format</b>	frame: aluminium profile standard format approx. length x width x 26.5 mm 1150 x 750 mm 1150 x 1150 mm 1250 x 1250 mm 2350 x 1150 mm 3000 x 1250 mm custom variant on request (min. 500 x 500 mm, max. 3000 x 1250 mm)
<b>Appearance</b>	white nonwoven surface with fine, directed fibre texture direction of the texture depends on the element format frame edge visible from the bottom: approx. 1.5 mm
<b>Colour shade</b>	nonwoven: white (approx. RAL 9003), frame: anodised aluminium silver

## Fixing

### StoSilent Install M100

4-part suspension set for StoSilent Modular 100



#### Area of application

interior, for suspending the StoSilent Modular 100 acoustic ceiling element

#### Properties

suspension height: max. 50 cm or 250 cm, 4 hangers per set, 3 versions to choose from

#### Notes

select appropriate fixing (not included) for the substrate/structure, vernier hanger 50 cm long, consisting of: 4 top vernier parts 49 cm (galvanised), 4 bottom vernier parts 17 cm (galvanised), 4 StoSilent Modular 100 Connector connecting hooks (galvanised), 4 hexagon bolts M5 x 8, 4 hexagon nuts M5, 2 locking pins, 2 washers, rod hanger 50 cm long, consisting of: 4 threaded rods M6 50 cm (stainless steel), 8 hexagon nuts M6, 4 StoSilent Modular 100 Connector connecting hooks, 8 washers, cable hanger 50 cm or 250 cm long, consisting of: 4 ceiling fasteners (nickel-plated), 4 screw caps (nickel-plated), 4 cable holders (nickel-plated), 4 wire cables 50 cm or 250 cm long (galvanised), 4 StoSilent Modular 100 Connector connecting hooks, 4 hexagon bolts M5 x 8, 4 washers

<b>Format</b>	suspension height: max. 50 cm or 250 cm
<b>Appearance</b>	vernier hanger: galvanised rod hanger: stainless steel cable hanger: nickel-plated, galvanised



# StoSilent Modular 200

## Sound-absorbing ceiling element made of expanded glass granulate with a fine-textured paint coat

### System advantages

- high degree of sound absorption
- easy to install
- prefabricated system



- 1 Hangers
- 2 Sub-construction made of galvanised steel sheet
- 3 Carrier board with a layer of PET fibre
- 4 Finishing coat

### Overview StoSilent Modular 200

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• interior</li> <li>• for reducing noise and reverberation</li> <li>• for a bespoke acoustic room treatment</li> </ul>
<b>Fixing</b>	<ul style="list-style-type: none"> <li>• suspension system included</li> </ul>
<b>Reaction to fire</b>	<ul style="list-style-type: none"> <li>• reaction to fire (class) in accordance with EN 13501: C-s3, d0 (layer of PET fibres)</li> <li>• reaction to fire (class) in accordance with EN 13501: A2-s1, d0 (coated carrier board)</li> </ul>
<b>Sound absorption</b>	<ul style="list-style-type: none"> <li>• high sound absorption (depending on suspension height and format)</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• format: max. 2400 x 1200 mm</li> <li>• special shapes on request</li> <li>• finely textured colour coating on StoSilent Modular 230 ceiling element</li> <li>• with a layer of PET fibre</li> </ul>
<b>Colour spectrum</b>	<ul style="list-style-type: none"> <li>• StoSilent Modular 230 - paint coat, full tintability in accordance with the StoColor System</li> </ul>
<b>Application</b>	<ul style="list-style-type: none"> <li>• easy to install thanks to prefabricated parts and modules in accordance with installation instructions</li> <li>• quick, clean, and easy application</li> </ul>
<b>Approvals/standards</b>	The relevant European and/or national approvals apply.



## Acoustic ceiling elements

### StoSilent Modular 230

Sound-absorbing ceiling element with fine-textured paint coating



#### Area of application


interior, for reducing noise and regulating reverberation, as a ceiling element

#### Properties

high sound absorption (depending on suspension height, format, and surface finish), carrier board made of expanded glass granulate, rear side with a layer of 40-mm-thick PET fibre board, reaction to fire (class) in accordance with EN 13501-1: A2-s1, d0 (carrier board with coating), reaction to fire (class) in accordance with EN 13501-1: C-s3, d0 (layer of PET fibre board), robust, stable construction, for immediate installation, ex works finishing coat with fine-textured paint coat, photocatalytic function with white paint, for the degradation of harmful substances and odours

#### Notes

easy to install thanks to prefabricated elements applied in accordance with installation instructions, slight deviations in the colour shade are possible between production batches., recommendation: only install elements from a single production batch in one room, all ceiling elements including height-adjustable suspension set consisting of: 4 cable hangers (cable length: 2.5 m) and 4 concrete nail anchors (fischer nail anchors FNA II 6 x 30 M6/5), drill hole depth: min. 40 mm, nominal drill bit diameter: 6 mm, use as wall element on request, not suitable for saltwater baths, over ice baths, or in the exit area of sauna baths

<b>Approx. consumption</b>	1.00 pcs.
<b>Format</b>	board edge: sharp-edged standard formats: approx. length x width x 19 mm 1150 x 1150 mm 2350 x 750 mm 2350 x 1150 mm 1150 mm circular custom variant on request max. 2350 x 1150 mm individual design by creation of recesses on request polygons and free shapes, up to 2350 x 1150 mm
<b>Appearance</b>	hard-wearing board edge with edge veneer visible underside and edges with fine-textured paint coat
<b>Colour shade</b>	white (ca. RAL 9016), order colour shades according to the StoColor System as custom variants 

## Acoustic renovation paints

### StoColor Silent

Organic, porous, renovation paint



#### Area of application



interior, for suitable acoustic systems from Sto, open-pored renovation paint for acoustic systems and similar systems that are compatible with a water-based coating, suitable as a coating on StoSilent Decor M

#### Properties

solvent- and plasticiser-free, low-emission, porous, good hiding power, high whiteness, wide colour shade variety

#### Notes

porosity is achieved by means of a special application technique

<b>Approx. consumption</b>	0.15 - 0.30 l/m <sup>2</sup> per paint coat
<b>Appearance</b>	dead-matt in accordance with EN 13300
<b>Colour shade</b>	white 
<b>Application</b>	

### StoSilent Profile FB

Stop profile for producing an edge



#### Area of application

for forming an internal corner, for surface area limitation with the StoSilent Top and StoSilent Decor coating systems

#### Properties

made of rigid PVC

#### Notes

bonded with e.g. Soudal Fix All Flexi or StoSeal F 505

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width: 24 mm smoothing ridge: 3 mm Length: 200 cm
<b>Colour shade</b>	white, approx. RAL 9010
<b>Application</b>	bond the profile along the surface area limitation



## StoSilent Profile EW

Corner protection angle for forming an external corner



### Area of application

for the formation of an external corner in the StoSilent Top and StoSilent Decor coating systems

### Properties

made of rigid PVC

### Notes

bonding: e.g. with Soudal Fix All Flexi or Sto-Stone Paste, StoSilent Profile EW-Q: edge with square cross-section, StoSilent Profile EW-V: edge with V-shaped cross-section, due to the sharp edges, do not use StoSilent Profile EW-V for external corners on walls where people come into contact with grip and joint areas, use StoSilent Profile EW-Q instead

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	24 x 24 mm smoothing ridge: 3 mm Length: 200 cm
<b>Colour shade</b>	white, approx. RAL 9010
<b>Application</b>	bond the profile along the board edge

## StoSilent Profile AP

Stop profile



### Area of application

stop profile for acoustic panel systems with a board thickness of 15 mm, stop profile for acoustic panel systems with a board thickness of 25 mm

### Properties

made of steel sheet, powder-coated

### Notes

bonded with e.g. Soudal Fix All Flexi or StoSeal F 505

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	27 x 16.5 mm 27 x 27.5 mm length: 250 cm
<b>Colour shade</b>	white (ca. RAL 9016)
<b>Application</b>	bond along the edges of the board

## Sto-Ventilation Profile

Stop and ventilation profile for protecting the back ventilation from pests



### Area of application

for ventilation openings in the plinth and window lintel area on buildings with ventilated rainscreen cladding facades, for ensuring system ventilation and protection from small animals

### Properties

made of aluminium

### Notes

bonding: e.g. with Soudal Fix All Flexi or Sto-Stone Paste

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm

## StoSilent Profile AP 210

Stop profile for StoSilent Direct, made of aluminium, powder-coated, white (approx. RAL 9003)



### Area of application

stop profile for the StoSilent Direct acoustic system

### Properties

extruded aluminium in a thickness of 1.5 mm, powder-coated

### Notes

bonded with e.g. Soudal Fix All Flexi or StoSeal F 505

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	length: 250 cm thickness: 30 mm widths: 40 mm, 50 mm, or 70 mm
<b>Appearance</b>	powder coating
<b>Colour shade</b>	white (ca. RAL 9003)
<b>Application</b>	bond along the edges of the board

## StoSeal Band BK

Diffusion-tight adhesive tape made of butyl rubber, with nonwoven fabric on the rear side



### Area of application

interior, for creating a diffusion-tight connection in the area of window/balcony door connection joints, and joints between the base coat and integrated building elements such as wooden beams and ceilings, for creating an airtight substrate/airtight connections in the acoustic system StoSilent Direct

### Properties

self-adhesive, high adhesive strength, can be coated with plasters and renders, compatibility with acrylic glass and polycarbonate, the adhesive surface is protected by masking paper separated in the centre

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width: 75 mm Length of roller cover: 10 m
<b>Colour shade</b>	front side: anthracite, rear side: white





## StoSeal Band BK-2

Diffusion-tight adhesive tape made of butyl rubber, with nonwoven fabric on the rear side



### Area of application

exterior and interior, for waterproofing junctions to other building elements when creating a second waterproofing layer underneath window sills

### Properties

self-adhesive, high adhesive strength, the side with nonwoven fabric backing can be coated with base coats from STO

<b>Approx. consumption</b>	1.00 m/m
<b>Format</b>	width: 75 mm Length of roller cover: 10 m
<b>Colour shade</b>	front side: anthracite, rear side: white

## StoSilent Fleece

Glass-fibre nonwoven as carrier for acoustic coatings



### Area of application

interior, as a carrier board for StoSilent Decor acoustic coatings

### Properties

resistant to mechanical stress, crack-bridging (shrinking and drying cracks), dimensionally stable, porous, non-swelling, stable when wet, no health hazard if inhaled, swallowed, or in contact with the skin, as fibre diameter  $\geq 8 \mu\text{m}$



<b>Approx. consumption</b>	1.00 m/m <sup>2</sup>
<b>Format</b>	width of roller cover: approx. 1 m Length of roller cover: 50 m thickness: approx. 0.6 mm
<b>Appearance</b>	smooth surface slight fibre texture visible
<b>Colour shade</b>	white
<b>Application</b>	full-surface bonding of the nonwoven using StoSilent Fleece Coll, the nonwoven strips must abut

## StoSilent Fleece Coll

Organic dispersion adhesive for StoSilent Fleece



### Area of application

interior, as a special adhesive for bonding StoSilent Fleece to Sto acoustic elements

### Properties

very good adhesive strength



<b>Approx. consumption</b>	0.35 kg/m <sup>2</sup> as adhesive
<b>Application</b>	 

## Sto-Stone Paste

Dispersion adhesive with extremely high adhesive strength





### Area of application

exterior and interior, for all-purpose applications, e.g. on wood particle boards in the prefabricated housing sector, on galvanised sheet metal, wood, expanded polystyrene, as well as for bonding profiles in the area of acoustics

### Properties

paste-form, with very high adhesive strength



<b>Approx. consumption</b>	1.00 kg/m <sup>2</sup>
<b>Colour shade</b>	natural white
<b>Application</b>	 



## StoColl HT

Adhesive and sealant with very high initial adhesion



### Area of application

interior, exterior, for the bonding and sealing of profiles and tracks, for the bonding of materials, in the system StoSilent Distance: Fix the acoustic panels with the adhesive compound.

### Properties

single-component, very high initial adhesion, high resistance, very high adhesive strength, very low emissions, non-corrosive, colour-fast, weather-resistant, UV-resistant, very low-emission: Emicode® EC1 Plus, elastic, on an MS polymer base

### Notes

storage life: 12 months from the date of manufacture, in unopened packaging, stored in a cold and dry area (+5 °C bis +25 °C), close opened containers tightly and use within a short period of time, consumption depends on the substrate, observe the application guideline for StoSilent Distance, scope of delivery: 12 tubular bags in a box, 5 nozzles with V-shaped detail

<b>Approx. consumption</b>	240 - 260 g/m <sup>2</sup> Consumption for bonding the acoustic panels in the StoSilent Distance system.
<b>Format</b>	tubular bag: 600 ml
<b>Colour shade</b>	white



# Tools

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229 Hopper guns





### Kip 358 Concrete and Brick Mesh Tape

Polyethylene-coated, tear-resistant and water-proof mesh tape of very high adhesive strength



#### Area of application

exterior and interior, for masking rough substrates such as concrete, stone, and masonry, duration of use in interiors: 2 weeks, duration of use in exteriors: 2 weeks

#### Properties

temperature-resistant up to +65 °C, high adhesive strength, good clinging properties, tear-resistant and water-proof

<b>Format</b>	width: 44 mm length: 50 m
<b>Colour shade</b>	yellow

### Sto-EWIS Sanding Board

Aluminium sanding board with wooden handle and Velcro fastener



#### Properties

complete with K16 abrasive paper

<b>Format</b>	width: 120 mm, length: 240 mm width: 200 mm, length: 420 mm
<b>Colour shade</b>	silver

### Sto-EWIS Abrasive Paper

Spare sandpaper for Sto-EWIS Sanding Board with hook-and-loop fastener



#### Area of application

for sanding insulants

<b>Format</b>	width: 120 mm, length: 240 mm width: 200 mm, length: 420 mm grain size: K 16
<b>Colour shade</b>	red-brown

### Sto-Filler Foam Gun Standard

Filler foam gun for applying PU foams



#### Area of application

for all filler and fixing foams

#### Properties

made of metal (plastic handle), adjustment screw for dosages

#### Notes

adapter: adapter for all standard screw-on bottles

<b>Format</b>	length: 350 mm pipe: 200 mm
<b>Colour shade</b>	silver/yellow

### Sto-Rounded Finishing Spatula with Soft Grip

Finishing spatula with profile holder made of aluminium and soft handle



#### Area of application

for smoothing

#### Properties

particularly stable, aluminium profile holder with a soft handle and rounded edges

<b>Format</b>	width: 480, 570 mm
<b>Colour shade</b>	silver/black

### Sto-Spatula Trowel

Spatula trowel made of hardened, rust-free spring band steel



#### Properties

rust-free, with a spot-welded blade, made of 0.8 mm thick, hardened, mirror-finished, rust-free spring band steel, with a tang made of rust-free round steel, wooden handle

<b>Format</b>	width: 80, 100 mm
<b>Colour shade</b>	silver

### Sto-Finishing Trowel Profi

Finishing trowel made of rust-free steel with curved wooden handle



**Area of application**

for texturing finishing plasters and renders

**Properties**

with a 0.7 mm thick blade made of hardened rust-free steel and rust-free rivets, light metal support and curved wooden grip, high quality

<b>Format</b>	width: 130 mm length: 280 mm thickness: 0.7 mm
<b>Colour shade</b>	silver

### Sto-Finishing Trowel Notched

Finishing trowel made of rust-free steel with curved wooden handle



**Area of application**

for applying and combing mortar compounds

**Properties**

with a curved wooden handle, rust-free blade

<b>Format</b>	width: 130 mm length: 280 mm notching: 4 x 6 x 4 mm, 4 x 4 mm, 6 x 6 mm, 8 x 8 mm
<b>Colour shade</b>	silver

### Sto-Swiss Smoothing Trowel

Application and smoothing trowel made of stainless steel



**Area of application**

for application by trowel, for smoothing, for embedding mesh

**Properties**

with an 0.7 mm thick blade made of hardened, mirror-finished rust-free steel and rust-free screws

<b>Format</b>	width: 130 mm length: 500 mm thickness: 0.7 mm
<b>Colour shade</b>	silver

### Sto-Swiss Smoothing Trowel Notched

Notched application and smoothing trowel made of stainless steel



**Area of application**

for applying and combing mortar compounds

**Properties**

rust-free blade, with countersunk rust-free screws

<b>Format</b>	width: 120 mm length: 480 mm notching: 4 x 4 mm, 6 x 6 mm, 10 x 10 mm
<b>Colour shade</b>	silver

### Sto-Finishing Trowel Plastic

Finishing trowel made of plastic



**Area of application**

for texturing finishing plasters and renders

**Properties**

with blade made of grey, impact-resistant rigid PVC and a 190 mm long, bonded-on plastic web underneath a light metal support and a wooden grip, high quality

**Notes**

article number 08289-001 is not suitable for use in the acoustic area

<b>Format</b>	width: 135 mm length: 280 mm thickness: 1 and 2 mm
<b>Colour shade</b>	grey

### Sto-Notched Trowel

Notched trowel made of stainless steel



**Area of application**

specially for applying adhesive compounds and fillers

**Properties**

with blade made of 0.7 mm thick, hardened and polished spring band steel, notched on one side, with light metal support and curved wooden grip

<b>Format</b>	width: 130 mm length: 280 mm notching: 10 x 10 x 10 mm, 15 x 15 x 30 mm
<b>Colour shade</b>	silver



### Sto-Adjustable Notched Trowel

Adjustable notched trowel made of hardened, rust-free spring band steel with welded-on rust-free clamping strip for attaching a blade

**Area of application**

for applying and combing mortar compounds

**Properties**

made of 0.6 mm thick, rust-free special steel, with a welded-on rust-free blade clamping strip, light metal support and round wooden grip, without notched blade

<b>Format</b>	width: 100 mm length: 280 mm
<b>Colour shade</b>	silver

### Sto-Notched Blades

Spare notched blades made of hardened spring band steel

**Area of application**

for trowels and squeegees

**Properties**

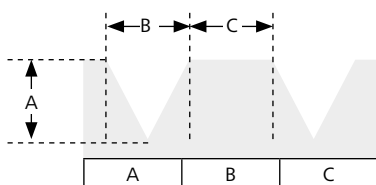
made of 0.5 mm thick, hardened spring band steel

<b>Format</b>	width: 25 mm length: 280 mm notching: A2, A3, B1, C1, C2, S1, S2, S3, S4, 7, 25, 48, 78, 92, 95
<b>Colour shade</b>	grey

## Overview of notch shapes (original sizes)

<b>Notch shape A2</b>  <table border="1"> <tr> <td>1.30</td> <td>1.70</td> <td>1.40</td> </tr> </table>	1.30	1.70	1.40	<b>Notch shape A3</b>  <table border="1"> <tr> <td>1.50</td> <td>1.60</td> <td>0.40</td> </tr> </table>	1.50	1.60	0.40	<b>Notch shape B1</b>  <table border="1"> <tr> <td>2.00</td> <td>2.40</td> <td>2.60</td> </tr> </table>	2.00	2.40	2.60
1.30	1.70	1.40									
1.50	1.60	0.40									
2.00	2.40	2.60									
<b>Notch shape C1</b>  <table border="1"> <tr> <td>4.00</td> <td>4.00</td> <td>4.00</td> </tr> </table>	4.00	4.00	4.00	<b>Notch shape C2</b>  <table border="1"> <tr> <td>6.00</td> <td>6.00</td> <td>6.00</td> </tr> </table>	6.00	6.00	6.00	<b>Notch shape S1</b>  <table border="1"> <tr> <td>2.55</td> <td>1.80</td> <td>0.10</td> </tr> </table>	2.55	1.80	0.10
4.00	4.00	4.00									
6.00	6.00	6.00									
2.55	1.80	0.10									
<b>Notch shape S2</b>  <table border="1"> <tr> <td>3.35</td> <td>4.20</td> <td>0.10</td> </tr> </table>	3.35	4.20	0.10	<b>Notch shape S3</b>  <table border="1"> <tr> <td>1.75</td> <td>2.50</td> <td>0.10</td> </tr> </table>	1.75	2.50	0.10	<b>Notch shape S4</b>  <table border="1"> <tr> <td>5.05</td> <td>10.30</td> <td>0.10</td> </tr> </table>	5.05	10.30	0.10
3.35	4.20	0.10									
1.75	2.50	0.10									
5.05	10.30	0.10									
<b>Notch shape 7</b>  <table border="1"> <tr> <td>4.70</td> <td>2.80</td> <td>0.20</td> </tr> </table>	4.70	2.80	0.20	<b>Notch shape 25</b>  <table border="1"> <tr> <td>3.80</td> <td>5.70</td> <td>0.30</td> </tr> </table>	3.80	5.70	0.30	<b>Notch shape 48</b>  <table border="1"> <tr> <td>5.50</td> <td>6.50</td> <td>0.50</td> </tr> </table>	5.50	6.50	0.50
4.70	2.80	0.20									
3.80	5.70	0.30									
5.50	6.50	0.50									
<b>Notch shape 78</b>  <table border="1"> <tr> <td>6.60</td> <td>8.20</td> <td>0.50</td> </tr> </table>	6.60	8.20	0.50	<b>Notch shape 92</b>  <table border="1"> <tr> <td>9.20</td> <td>10.60</td> <td>1.40</td> </tr> </table>	9.20	10.60	1.40	<b>Notch shape 95</b>  <table border="1"> <tr> <td>5.20</td> <td>6.50</td> <td>0.20</td> </tr> </table>	5.20	6.50	0.20
6.60	8.20	0.50									
9.20	10.60	1.40									
5.20	6.50	0.20									

### What do the numbers and colours mean?



A = notch depth, B = gap width, C = notch width



as two-sided notched blade



as one-sided notched blade



### Sto-Bucket Trowel

Bucket trowel made of hardened, rust-free spring band steel with swan's neck tang



#### Properties

with a spot-welded blade made of 1.0 mm thick, hardened, mirror-finished rust-free spring band steel, with a tang made of rust-free round steel, straight, wooden grip

<b>Format</b>	rear width: 120 mm, 110 mm length: 180 mm, 160 mm thickness: 1 mm
<b>Colour shade</b>	silver

### Sto-External Corner Trowel

Corner trowel made of rust-free spring band steel with a wooden handle



#### Properties

high quality, made of 0.7 mm thick, hardened, mirror-finished, rust-free spring band steel, with a sharp-edged, curved blade, with a rust-free steel support and wooden grip

<b>Format</b>	width: 65 mm length: 65 mm thickness: 0.7 mm
<b>Colour shade</b>	silver

### Sto-Internal Corner Trowel

Corner trowel made of rust-free spring band steel with a wooden handle



#### Properties

high quality, made of 0.7 mm thick, hardened, mirror-finished, rust-free spring band steel, with a sharp-edged, curved blade, with a rust-free steel support and wooden grip

<b>Format</b>	width: 65 mm length: 65 mm thickness: 0.7 mm
<b>Colour shade</b>	silver/blue

### Sto-Rustication Trowel

Special tool with blade made of polished rust-free stainless steel and spot-welded support



#### Area of application

for rusticated facades

#### Properties

with a blade made of polished rust-free stainless steel, spot-welded support, with 3 plastic inserts

<b>Format</b>	trapezoidal groove 25 x 15 mm wide, 15 mm deep trapezoidal groove 40 x 15 mm wide, 18 mm deep triangular groove 30 mm wide, 18 mm deep
<b>Colour shade</b>	silver

### Sto-Rubber Float Sponge

Rubber float sponge with velour backing



#### Area of application

for use with the Sto-Velcro Float Handle, suitable for float-finished plasters, e.g. StoLook Lasura

#### Properties

types: fine or coarse

<b>Format</b>	width: 140 mm length: 280 mm
<b>Colour shade</b>	orange

### Sto-Moltopren® Sponge

Foam rubber® sponge with velour backing



#### Area of application

for use with the Sto-Velcro Float Handle, suitable for StoNivellit and Stolit Milano

<b>Format</b>	width: 140 mm length: 280 mm
<b>Colour shade</b>	white



### Sto-Filler Foam Gun Standard

Filler foam gun for applying PU foams



**Area of application**

for all filler and fixing foams

**Properties**

made of metal (plastic handle), adjustment screw for dosages

**Notes**

adapter: adapter for all standard screw-on bottles

<b>Format</b>	length: 350 mm pipe: 200 mm
<b>Colour shade</b>	silver/yellow

### Sto-Thermo Anchor II MT

Multi-part installation tool for fitting anchors



**Area of application**

exterior, for recessed and surface-flush fitting of the Sto-Thermo Anchor II and the Sto-Screw-In Anchor H 60

**Properties**

with a hexagon drive, with an adjustable shaft and length marking, contents: 1 Sto-Thermo Anchor II with long cutting plate, 1 short cutting plate, 1 hex key, size 3, 1 special bit T25 for Sto-Screw-In Anchor H 60

**Notes**

a high-performance machine is required to screw in the anchor

<b>Application</b>	using an drill/driver with jaw chuck (the Sto-Thermo Anchor II MT SDS Adjustable Shaft is required for machines with SDS bit holder), torque $\geq$ 25-30 Nm for correct drawing-in and compacting force
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### Sto-Anchor Setting Spare Bits

Tool to aid with setting anchors



**Area of application**

surface-flush installation:  
T30 long - suitable for Sto-Thermo Anchor

**Properties**

robust

**Notes**

delivery form: 1 item or 3 items / bag

<b>Format</b>	length: T30 long
<b>Colour shade</b>	grey

### Sto-Ecotwist MT

Installation tool for fitting Sto-Ecotwist



**Area of application**

for recessed setting of the Sto-Ecotwist

**Properties**

hexagonal bar with axial sliding stop ring, robust, with an Allen key

<b>Format</b>	length: 260 mm, 400 mm
<b>Application</b>	Sto-Ecotwist MT 260 mm for insulant thicknesses from 100-260 mm, , Sto-Ecotwist MT 400 mm for insulant thicknesses from 100-400 mm

### Sto-Screw-In Anchor K-RACE MT

Installation tool for fitting the Sto-Screw-In Anchor K-RACE 8/60



**Area of application**

exterior, for efficient installation of the Sto-Screw-In Anchor K-RACE 8/60

**Properties**

self-decoupling, with a hexagon drive

<b>Format</b>	hexagon drive
<b>Colour shade</b>	red/silver

### Sto-Screw-In Anchor S1 K-01 MT

Installation tool for fitting Sto-Screw-In Anchoer S1 K-01 8/60



**Area of application**

exterior, for installation of the Sto-Schraubdübels S 1 K-01 8/60

**Properties**

hexagon drive, 30IPRx89 bit for single use, installation tool (MT) and installation tool pro (MTpro): self-decoupling mounting disc for high setting accuracy, installation tool pro (MTpro):screw head centring for optimal bit location

### Sto-Thermo Countersinking Tool, aluminium

Tool made of aluminium for fitting the Sto-Thermo Cap



**Area of application**

to create recesses for a Sto-Thermo Cap in conjunction with Sto-Screw-In/Hammer-In/Drill-In Anchors

**Properties**

made of aluminium

<b>Format</b>	length: 75 mm ø 64 mm
<b>Colour shade</b>	silver

### Sto-Thermo Countersinking Tool, plastic

Tool made of plastic for setting the Sto-Thermo Cap



**Area of application**

to create recesses for a Sto-Thermo Cap in conjunction with Sto-Screw-In/Hammer-In/Drill-In Anchors

**Properties**

made of plastic

<b>Format</b>	length: 75 mm ø 63 mm
<b>Colour shade</b>	yellow

### Sto-Bead Snips

Bead snips made of plastic



**Area of application**

for cutting seal beads and mesh angle beads to size

**Properties**

with a fixed, hardened blade, hardened hacksaw blade with special tothing

<b>Format</b>	length: 200 mm cut: 35 mm
<b>Colour shade</b>	grey/green

### Sto-Profile Saw

Handsaw with hardened spring band steel blade



**Area of application**

for quick and accurate sawing of commonly available boards, e.g. made of wood, plastic, etc.

**Properties**

blade made of 1 mm hardened band steel, set, ground, and inductively hardened teeth, closed 2-component plastic handle with guide edge for 45° and 90° angle, plastic blade protector with magnetic strip

<b>Format</b>	length: 500 mm thickness: 1 mm
<b>Colour shade</b>	silver/blue/yellow

### Sto-Handsaw

Handsaw with hardened teeth



**Area of application**

for sawing wood

**Properties**

A1 steel quality, lacquered wooden handle, with hardened teeth

<b>Format</b>	length: 400 mm thickness: 1 mm
<b>Colour shade</b>	silver

### Sto-Joint Sealing Tape Dispenser

Dispenser for Sto-Joint Sealing Tape



**Area of application**

for housing joint sealing tapes, for preventing uncontrolled expansion

**Properties**

made of plastic, with a scaffolding hook for suspension from the scaffolding

<b>Format</b>	ø 310 mm strip width max: 20 mm
<b>Colour shade</b>	yellow

### Sto-Decorative Roller Cover Farfalla

Roller sleeve for designing decorative surfaces



**Area of application**

for texturing roller-applied plaster and render, for retexturing StoColor Metallic to achieve a homogeneous surface

<b>Format</b>	width: 250 mm ø: 47 mm
<b>Appearance</b>	folded leather pieces
<b>Colour shade</b>	orange

### Sto-Relief Roller Cover

Roller cover to produce coloured, textured effects



**Area of application**

for decorative surface design, for forming colourful, three-dimensional effects

<b>Format</b>	size/ø: 180/60 mm
<b>Appearance</b>	texture: oak
<b>Colour shade</b>	yellow

### StoCalce Marmorino Finishing Trowel

Finishing trowel made of special rust-free steel with rounded blade corners



**Area of application**

for applying and working StoCalce Marmorino products

**Properties**

made of 0.6 mm thick, rust-free special steel, with rounded blade corners, glass-fibre reinforced plastic support and unlacquered wooden grip, edges polished absolutely burr-free, with specially ground edges

<b>Format</b>	200 x 80/70 mm, 240 x 100/80 mm, 280 x 100/90 mm
<b>Colour shade</b>	silver

### Sto-Velcro Float Handle without Covering

Velcro float handle made of plastic



**Area of application**

for all coverings with velour backing

**Properties**

durable and resistant hook-and-loop fastening system, time-saving and simple to change the coverings, full-surface hook-and-loop backing

<b>Format</b>	width: 130 mm length: 270 mm
<b>Colour shade</b>	black/red

### StoLook Sponge Float

Hard sponge float



**Area of application**

for applying and smoothing StoCalce Fondo and StoCalce Effetto

**Properties**

hard sponge float

<b>Format</b>	length: 220 mm width: 140 mm
<b>Colour shade</b>	turquoise

### Sto-Texturing Brush

Texturing brush with synthetic fibres in wooden body



**Area of application**

for decorative surface design, for forming colourful, three-dimensional effects

<b>Format</b>	length: 300 mm bristle length: 90 mm
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### Sto-Roller Terrazzo Effect

Special hard rubber roller with wooden handle



**Area of application**

for pressing StoEffect Terrazzo natural sand into render/plaster

**Properties**

wooden handle

**Notes**

delivery form: item

<b>Format</b>	width: 250 mm
<b>Colour shade</b>	red



### Sto-Special Smoothing Trowel

Rust-free special smoothing trowel



#### Area of application

for applying a filler and levelling coat of StoPox WB 50 over large areas, for applying a fairing coat on StoCrete TF 100 and 200, for smoothing StoSilent Top Basic and StoSilent Top Finish

#### Properties

rust-free

<b>Format</b>	length: 800 mm width: 120 mm
<b>Colour shade</b>	silver

### Sto-Rounded Finishing Spatula with Soft Grip

Finishing spatula with profile holder made of aluminium and soft handle



#### Area of application

for smoothing

#### Properties

particularly stable, aluminium profile holder with a soft handle and rounded edges

<b>Format</b>	width: 480, 570 mm
<b>Colour shade</b>	silver/black

### Sto-Notched Trowel

Notched trowel made of stainless steel



#### Area of application

specially for applying adhesive compounds and fillers

#### Properties

with blade made of 0.7 mm thick, hardened and polished spring band steel, notched on one side, with light metal support and curved wooden grip

<b>Format</b>	width: 130 mm length: 280 mm notching: 10 x 10 x 10 mm, 15 x 15 x 30 mm
<b>Colour shade</b>	silver

### Sto-Spiked Roller Sleeve Duo Frame

Roller cover made of polypropylene



**Area of application**

for rolling entrapped air out of polyester and epoxy resin coatings

**Properties**

made of polypropylene, with a metal handle and bar

<b>Format</b>	width: 500 mm spike length: 12 mm
<b>Colour shade</b>	silver/white

### Sto-Replacement Spiked Roller Sleeve Duo Frame

Roller cover made of polypropylene



**Area of application**

for Sto-Spiked Roller Sleeve Duo Bar

**Properties**

made of polypropylene

<b>Format</b>	width: 500 mm spike length: 12 mm
<b>Colour shade</b>	white

### Sto-Spiked Roller Sleeve Standard

Roller cover made of polypropylene



**Area of application**

for rolling entrapped air out of polyester and epoxy resin coatings

**Properties**

made of polypropylene, with a metal handle and bar

<b>Format</b>	width: 250 mm spike length: 12 mm
<b>Colour shade</b>	silver/white

### Sto-Replacement Spiked Roller Sleeve Standard

Roller cover made of polypropylene



**Area of application**

for Sto-Spiked Roller Sleeve Standard

**Properties**

made of polypropylene

<b>Format</b>	width: 250 mm spike length: 12 mm
<b>Colour shade</b>	white

### Sto-Loop Pile Roller Cover

High-quality roller cover for de-airing



**Area of application**

for rolling entrapped air out of coatings

**Properties**

fits on to standard roller handles

<b>Format</b>	width: 250 mm loop length: 4 mm
<b>Colour shade</b>	blue

### Sto-Squeegee for Notched Rubber Blades

Robust squeegee



**Properties**

made of aluminium

**Notes**

delivery without notched blade

<b>Format</b>	width: 580 mm handle ø: 28 mm notching: unnotched, 2, 4, 6, 8, 10, 12 mm
<b>Colour shade</b>	silver

### Sto-Notched Blades

Spare notched blades made of hardened spring band steel



**Area of application**

for trowels and squeegees
















**Properties**

made of 0.5 mm thick, hardened spring band steel

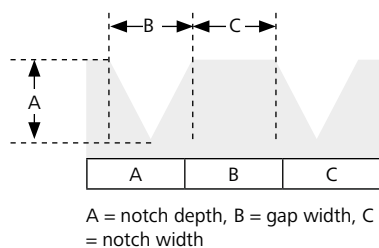
<b>Format</b>	width: 25 mm length: 280 mm notching: A2, A3, B1, C1, C2, S1, S2, S3, S4, 7, 25, 48, 78, 92, 95
<b>Colour shade</b>	grey



## Overview of notch shapes (original sizes)

<b>Notch shape A2</b>	<b>Notch shape A3</b>	<b>Notch shape B1</b>
		
1.30   1.70   1.40	1.50   1.60   0.40	2.00   2.40   2.60
<b>Notch shape C1</b>	<b>Notch shape C2</b>	<b>Notch shape S1</b>
		
4.00   4.00   4.00	6.00   6.00   6.00	2.55   1.80   0.10
<b>Notch shape S2</b>	<b>Notch shape S3</b>	<b>Notch shape S4</b>
		
3.35   4.20   0.10	1.75   2.50   0.10	5.05   10.30   0.10
<b>Notch shape 7</b>	<b>Notch shape 25</b>	<b>Notch shape 48</b>
		
4.70   2.80   0.20	3.80   5.70   0.30	5.50   6.50   0.50
<b>Notch shape 78</b>	<b>Notch shape 92</b>	<b>Notch shape 95</b>
		
6.60   8.20   0.50	9.20   10.60   1.40	5.20   6.50   0.20

## What do the numbers and colours mean?



as two-sided notched blade



as one-sided notched blade

### Sto-Rubber Squeegee Profi

Double-lipped rubber squeegee with very stable metal backing



**Area of application**

for priming and sealing scattered and uneven surfaces

**Properties**

extra quality, double-lipped, very stable metal backing, with a bracket attachment for the handle, firm foam rubber

<b>Format</b>	width: 550 mm width: 600 mm handle ø: 28 mm
<b>Colour shade</b>	black, brown, red

### Sto-Nail Sole

Spiked sole made of solvent-resistant plastic with screwed-in steel spikes



**Area of application**

for walking over fresh coatings without leaving any marks

**Properties**

made of solvent-resistant plastic, with screwed-in steel spikes, complete with straps, with additional spare pair of Velcro straps

<b>Format</b>	size: 48 nail length: 30 mm, pointed
<b>Colour shade</b>	black

### Sto-Hopper Gun

Application of plasters, as well as paste-form ceiling and wall coverings



**Properties**

the air supply can be shut off and regulated

**Notes**

delivery includes: nozzles: 4, 6, 8, 10 mm and 7 l tank

### Sto-Terrazzo Effect Gun

Producing creative facades



**Properties**

the air supply can be shut off and regulated

**Notes**

delivery includes: fine air control valve, special nozzle, nozzle needle, and 5 l tank

# Services



We are here to help you every step of the way, from the planning phase to the implementation of your new building or renovation project. Our technical consultant can also provide advice on the construction site. When it comes to aesthetic considerations, we can help you with aspects such as colour and material concepts, CAD drawings, and BIM objects. You can find our comprehensive service portfolio at [www.sto.com](http://www.sto.com)

For the love of building. **Building with conscience.**





# Services

232 Advisory and support services

234 Colour design

237 Labels

238 Certification logos

240 Pictograms



# Expert advice is part and parcel of good service.

## **Here you can find an overview of our advisory and support services.**

Advice from Sto for every project phase: Comprehensive advice is a key component of our service portfolio. We offer you expert advice quickly during every stage of the project – from the planning phase, with respect to the optimum coordination of different processes, right up to the correct application of our products.

Sto advisors at the construction site: Our technical consultants come to your construction site directly to provide training on special material characteristics or working with special application methods. For example, they can show you the best way to use products and tools in order to optimise your productivity.

Sto service for your queries:

Should you have any questions, simply contact either the service hotline at +49 77 44 57-1131, your local sales representative or Sto distribution partner. A list of Sto branches and Sto distribution partners near you can be found at [www.sto.com](http://www.sto.com)



## Services

### Sample service

Sto helps you to select the right system and surface with material samples that are specific to your project.  
[infoservice.export@sto.com](mailto:infoservice.export@sto.com)

### Material workshops

We organise “Experiencing is understanding” workshops which focus on the materials for facade design. These workshops explore the process of planning surfaces design-relevant properties, technical application techniques, and design potential. Current dates available at [werkstatt.sto.com/en/werkstatt/cpd/cpd.html](http://werkstatt.sto.com/en/werkstatt/cpd/cpd.html)

### Tender specifications

Tender specifications are available from Sto to provide support during the planning stage.  
[infoservice.export@sto.com](mailto:infoservice.export@sto.com)

### Details

The Sto technical consultant team develops highly individual details together with architects, planners, and tradesmen upon request:  
[infoservice.export@sto.com](mailto:infoservice.export@sto.com)

Our service team provides CAD drawings and BIM objects:  
[infoservice.export@sto.com](mailto:infoservice.export@sto.com)

### StoDesign

The StoDesign team develops and tests various technical and design versions and defines materials, surfaces, and colour shades for aesthetic questions relating to paint and facade materials – from individual buildings to large-scale urban design.  
[infoservice.export@sto.com](mailto:infoservice.export@sto.com)



# Because colour and architecture belong together.

**Architecture, material, and colour are intrinsically linked, as coloured decoration gives the building an immediate emotional value. It can lend the building visual structure, as well as a certain accent and its own specific character.**

#### StoColor System:

The new StoColor System is based on a colorimetric grid and contains 1000 colour shades which can be used in building design. The system comprises 72 colour areas and a neutral area with numerous black, grey, and white tones. Over 70 historical pigment shades and dyestuffs have also been incorporated into the system. The carefully thought-out arrangement and fine increments of colour shade, brightness, and chroma allow users to combine shades and create colourful designs with confidence.

#### Precise design tools:

In addition to our colour collection you can find perfectly matched tools for professional colouring. The colour fans are a classic tool, representing all colour shades of the respective collections. The colour sample boxes containing individual cards are ideal for collages or extensive colour schemes.

The colour cards can also be ordered individually from a Sto distribution partner or by calling the telephone number +49 77 44 57-1131.

#### Colour check with the aid of the sample service:

Genuine samples of surfaces, colours, and textures can be created in DIN A3 format.



StoColor Dryonic®,  
Stolit® K 2, residential  
building in the district of  
Lörrach, Germany

## Colour design aids

### StoColor System – colour fan (as of March 2022)

<b>Application</b>	<ul style="list-style-type: none"> <li>• The 1000 colour shades of the new StoColor System in the form of a fan complete with all key data, including light reflectance value, colour shade surcharge class, feasibilities, and TSR value.</li> <li>• All colour shades can be implemented on the facade, depending on the product in question.</li> </ul>
	<ul style="list-style-type: none"> <li>• StoColor System – colour fan</li> </ul>



### StoColor System – box (as of March 2022)

<b>Application</b>	<ul style="list-style-type: none"> <li>• The box contains 1000 colour cards as indicative samples in approx. DIN A6 size.</li> <li>• The cards are sorted into yellow, red, blue, and neutral areas to provide a clear overview and additional cards can be ordered on an individual basis.</li> </ul>
	<ul style="list-style-type: none"> <li>• StoColor System – box</li> </ul>



### StoColor System – edition (as of March 2022)

<b>Application</b>	<ul style="list-style-type: none"> <li>• Comprising 6 individual fans, this edition serves as a comprehensive tool for professional colour design in the field of architecture.</li> <li>• The 1000 colour shades of the StoColor System in four fans (yellow/red/blue/neutral and nature)</li> <li>• 225 special interior colour shades grouped together in one fan</li> <li>• One fan with 38 wood stain shades, the RAL paint shades, and 14 DB colour shades.</li> </ul>
	<ul style="list-style-type: none"> <li>• StoColor System – edition</li> </ul>



### StoColor – interior colour shades (as of March 2022)

<b>Application</b>	<ul style="list-style-type: none"> <li>• 225 colour shades specifically intended for interior design in one fan.</li> <li>• The perfect addition to the StoColor System</li> <li>• Including 5 gloss levels for interiors</li> </ul>
	<ul style="list-style-type: none"> <li>• StoColor – interior colour shades</li> </ul>



### AC – colour fan

<b>Application</b>	<ul style="list-style-type: none"> <li>• The 300 colour shades of the StoDesign Architectural Colours colour fan perfectly supplement the tried-and-tested StoColor System.</li> <li>• The majority of the colour shades are suitable for organic and mineral external wall insulation systems.</li> </ul>
	<ul style="list-style-type: none"> <li>• AC – colour fan</li> </ul>



## Colour design aids

### StoColor Metallic fan

<b>Application</b>	<ul style="list-style-type: none"> <li>The StoColor Metallic Collection comprises 60 colour shades in 9 areas. StoColor Metallic creates a special look and feel on a variety of surfaces, both inside and outside, with a metallic effect.</li> </ul>
	<ul style="list-style-type: none"> <li>StoColor Metallic fan</li> </ul>



### StoColor colour fan for lacquers, glazes, and stains

<b>Application</b>	<ul style="list-style-type: none"> <li>1 fan with 38 wood stain shades, the RAL paint shades, and 14 DB colour shades.</li> </ul>
	<ul style="list-style-type: none"> <li>StoColor colour fan for lacquers, glazes, and stains</li> </ul>



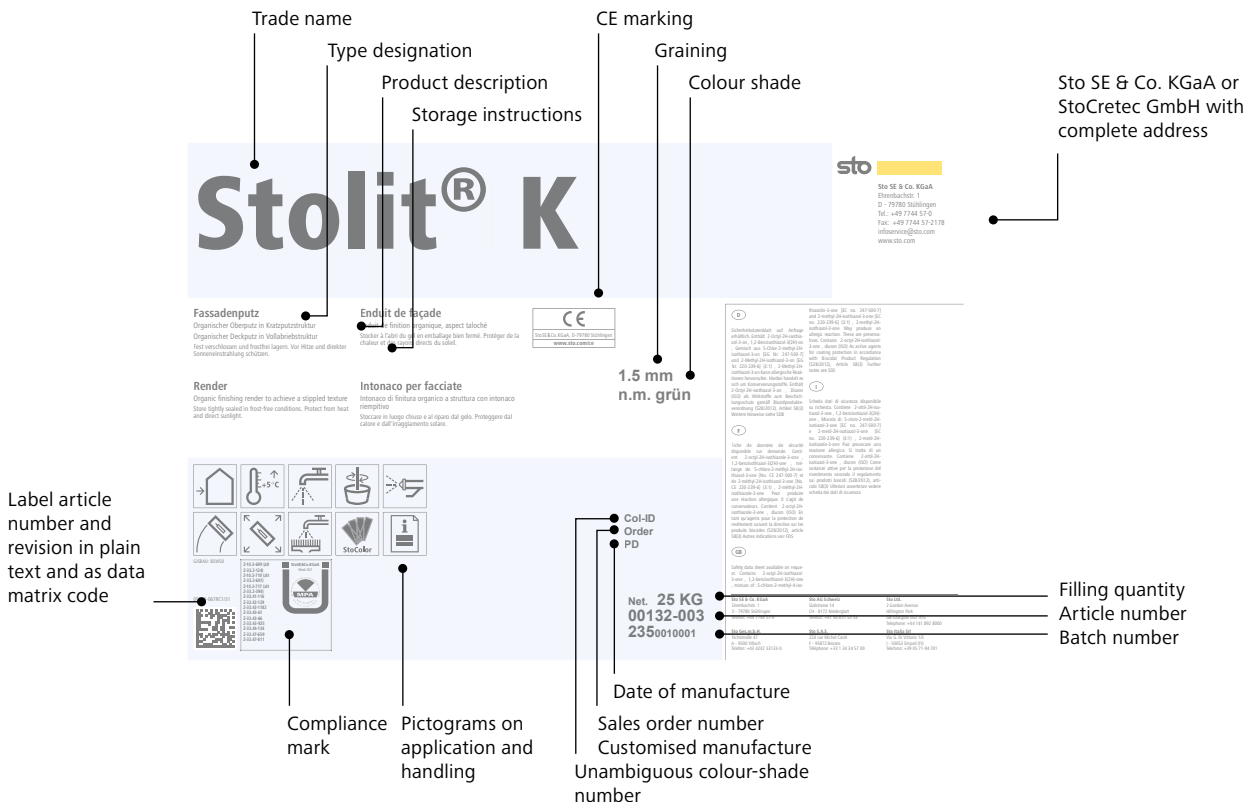
# For labels, clarity is the most important attribute.

Labels on packaging are more than mere decorative elements or a means of presenting the product's name. Particularly when there's no data sheet at hand, container labels are the one vital source of information, which they should provide in a concise and readily comprehensible manner.

Each item of information on the label is assigned its own specific position. Font sizes, symbols, and the use of language follow clearly defined rules which apply to all products. Three different background colours provide an initial distinction between exterior (light blue background) and interior use (bright yellow), as well as concrete repair and floor coating (light grey).

Information on the form of use and type of application is provided by a number of self-explanatory pictograms.

The size of the written information reflects its importance. Product names, additional categorisations, such as grain sizes and container volumes, are displayed in large fonts, while the multilingual product type or the article number are displayed in significantly smaller fonts. Of course, the labels also contain all legally required items of information, such as the manufacturer's address or hazard warnings. Sto SE & Co. KGaA has successfully further developed the labels with this clear and also visually appealing system.



## Explanation of official logos

### “Tested for harmful substances” label

- This label confirms that the relevant products have been tested by an independent test institute such as TÜV and have been classified as safe.



### “Preservative-free” label

- In addition to the confirmation that the relevant products have been tested for harmful substances by an independent test institute, this label confirms that they are free of preservatives.



### TÜV seal of quality – “low-emission, tested for harmful substances, and production monitored”

- The corresponding testing and inspection has confirmed that the applicable TÜV SÜD test standard is met in full.



### TÜV seal of quality – “low-emission, nonyl phenol-free, and production monitored”

- The corresponding testing and inspection has confirmed that the applicable TÜV SÜD test standard is met in full.



### natureplus – seal of quality for environmentally friendly, healthy, and functional building products and furnishings in Europe

- Certified products must contain at least 85% renewable and/or mineral raw materials.



### Austrian eco label – a guarantee for environmentally friendly products and services

- This label is only awarded to such products as are proven to be environment-friendly, to possess adequate suitability for use and to offer an adequate standard of quality.



### RAL quality seal for wallpapers

- The requirements on wallpaper (wall coverings), particularly with consideration to their health and ecological harmlessness are fulfilled. The requirements are inclusive in the quality mark and are overseen by the goods community of wallpaper.



### The “Blue Angel” label for standard and wood-chip wallpaper

- Based on ecological and health aspects, taking into consideration the origins of the raw materials, the percentage of recycled paper, and the materials and substances used. The criteria exceed the statutory requirements.

### Textiles that have been tested for harmful substances

- Oeko-Tex® standard 100 is an eco label for textile and clothing products. It regulates the analysis of harmful substances which are suspect in the context of human ecology, stipulating scientifically verified limits for the respective substances concerned.



### TÜV NORD “suitable for allergy sufferers”

- The test includes microbiological, chemical and emission examinations.



### Compliance mark

- The compliance mark is displayed on building products that comply with the relevant technical regulations, technical approval, general building inspection test certificate, or have special approval.





## Explanation of official logos

### Wissenschaftlich-technische Arbeitsgemeinschaft für Baudenkmalpflege und Altbauerhaltung (International Association for Science and Technology of Building Maintenance and Monuments Preservation)

- Products bearing this logo have proven effective for refurbishment purposes and meet the requirements of the study group's respective recommendations.



### Protection from electromagnetic fields

- Products bearing this label afford protection from immediate dangers and are also suitable for preventive measures.



### The GREEN BRANDS seal

- Provides a high recognition factor. Consumers are able to identify brands standing for environment, nature, sustainability and environmentally friendly living and production conditions.



### Seal of quality for wood preservative

- Confirmation from the Gütegemeinschaft Holzschutzmittel e.V. (quality assurance association for wood preservatives) with regard to efficacy and environmental compatibility. The quality assurance association committee requires the adherence to the quality label and testing requirements to be monitored as well as the proper production process of wood preservative.



### The Swiss environmental label

- Rates the entire range of interior wall paints as well as the "Lacquer, wood, and floor coatings" interior products, thus making it easier to choose environmentally friendly products which are fit for purpose. The product are classified in seven categories (A–G). Categories A to E stand for water-dilutable products, categories F and G for solvent-dilutable products.



### Environmental label for France (French VOC regulation)

- All building products as well as decorative and furnishing products to be traded in France must be labelled with an emission classification (A+, A, B, C) on the basis of VOC emission tests in accordance with ISO 16000.



## Overview of pictograms

### 1000 Area of application

1010 exterior application only	1020 interior application only	1030 Interior and exterior application	1040 Interior application only – ceilings	1050 Exterior application only – floors	1060 Interior application only – floors	1070 exterior and interior application – floors	1080 Interior application – walls and ceilings	1090 Application only on roof	

### 2000 Application conditions

2010 Lowest application temperature	2020 Highest application temperature	2030 Lowest air humidity	2040 Highest air humidity

### 3000 Preparation

3100 Shaking

### 3200 Components

3210 component A	3220 component B	3230 Component C	3240 Decant material

### 3300 Mixing ratio

$1:1$ Vol. % 	$1:2$ Vol. % 	$1:1$ 	$1:2$ 	$5:1$ A : B 	$4:1$ Vol. % A : B 	$1:3$ Vol. % A : C 	5,0 l : 25 kg 	1,5 l : 25 kg 	
3311 Mixing ratio of product and water by volume	3312 Mixing ratio of product and solvent by volume	3321 Mixing ratio of product and water by weight	3322 Mixing ratio of product and solvent by weight	3324 Mixing ratio for compo- nents by weight	3325 Mixing ratio for compo- nents A and B by volume	3326 Mixing ratio for compo- nents A and C by volume	3327 Mixing ratio of water to product	3328 Mixing ratio of additive to product	

### 3400 Addition

+4l 	+1% 	+1% max. 	1. +20% max. 	2.–6. +30% max. 					
3410 Amount to be added in litres	3420 Amount to be added in %	3430 Maximum amount to be added	3430_010 Addition of max. 20 % for 1st	3430_011 Addition of max. 30 % for 2nd-6th kg	3440 Addition of water	3450 Addition of solvent	3460 Water- dilutable	3470 Solvent- dilutable	3480 Solvent- dilutable. Free from aromatic compounds

### 3500 Stirring, maturing time, transfer to clean container and remix

### 3400 Addition

+40 kg 						
3490 Addition in kg	3510 Transfer to clean container and remix	3520 Stir	3530 Minimum stirring time	3540 Waiting time until application (maturing time) at 20 °C/65 % rel. humidity	3550 Mix with mixing shaft	4110 Pot life, max. time for application at 0 °C/65 % rel. humidity





### 4000 Application

## Overview of pictograms






### 4200 Application methods

									
4210 By paint brush, slurry, brush	4220 By roller	4230 Airless spraying	4240 Wet-mix spraying/ application with screw pump	4250 Dry spraying	4260 Apply with plastering trowel	4270 Apply with notched trowel	4280 Texturing	4281 Scratch brushing	4290 Float-finishing







### 4200 Application methods

			
4291 Apply with squeegee	4292 Texture with texturing roller	4293 apply a scratch coat	4294 Spray with a hopper gun

### 4300 Consumption and application cycles

	<b>1x</b>				
4305 Wet substrate	4310 Application cycles	4320 Consumption/ minimum quantity to be applied in g/ m <sup>2</sup>	4330 Apply in two layers	4360 Consumption/ minimum quantity to be applied in ml/m	4370 Consumption/ minimum quantity to be applied in g/ m <sup>2</sup> /mm






### 4400 Overcoating, drying, curing

					
4410 Over-coatable after	4420 Drying time	4430 Curing with film	4440 Curing with liquid	4450 de-air	4460 Curing necessary





### 4500 Cleaning

	
4510 Can be washed out with water	4520 Can be washed out with solvent




### 4600 Colour shades

				
4621 StoColor System – complete colour choice	4622 StoColor System – limited colour choice	4640 transparent	4650 Own Collection	4660 RAL

### 4700 Wet-scrub resistance







			
4710 Class 1	4720 Class 2	4730 Class 3	4740 Class 5

### 4800 Contrast ratio/ hiding power






		
4810 Class 1	4820 Class 2	4830 Class 3

### 5000 Wallpapers






### 5100 Mechanical resistance

					
5110 Water-resistant	5120 Washable	5130 Highly washable	5140 Abrasion-resistant	5150 Highly abrasion-resistant	5160 Shock resistant










### 5200 Colour retention

				
5210 Adequate colour retention	5220 Satisfactory colour retention	5230 Good colour retention	5240 Very good colour retention	5250 Excellent colour retention

### 5300 Application properties

				
5305 Seamless	5310 Straight seam	5315_003 Offset seam	5320 Alternate top-down bottom-up pasting	5325 Adhesive on wall covering



### 5300 Application properties

									
5330 Adhesive on substrate	5335 Pre-pasted wall covering	5340 Removable without leaving remnants	5345 Splittable	5350 Remove in wet condition	5355 Overlap and double cut	5360 Duplexed embossed wall covering	5380 Application with a wallpapering device	5390 Overcoat wall coverings	

### 6000 Observe technical info


6010 Observe technical info




### 7000 Packaging

							
7005 Bag	7010 Pail	7015 Tin	7020 Can	7025 Bag	7030 Tube	7035 Cartridge	7040 Aerosol

### 7000 Packaging

									
7045 Roll	7050 Silo	7055 Barrel	7060 Pallet	7065 Box	7070 Bundle	7080 Two pails	7081 Pail and bag	7082 Pail and can	7083 Pail and tin

### 7000 Packaging

			
7084 Bag and can	7085 Two tins	7086 Three tins	



## Headquarters

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