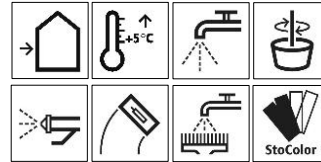


Technical Data Sheet

StoArmat Classic plus G

Organic, cement-free reinforcing compound/base coat



Characteristics

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 exposed to weather conditions

Properties

- Base coat in accordance with EN 15824
- Reaction to fire: class A2-s1, d0 in accordance with EN 13501-1, non-combustible
- Cement-free
- Ready-to-use
- Very good application properties
- High application reliability
- Good filling properties
- Excellent application properties
- Highly flexible
- Resistant to cracking
- Highly resistant to mechanical stress
- Water vapour permeable
- Highly weather-resistant
- No undercoat necessary
- Well suitable for machine application

Appearance

- G: large texturing grain, coarse-grained: approx. 1.4 mm

Information /notes

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

Technical Data

Criteria	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.5 - 1.7 g/cm ³	
Water permeability rate w	EN 1062-3	< 0.1 kg/(m ² h ^{0.5})	W3 low
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783	200 - 300	V2 medium
Reaction to fire	EN 13501-1	A2-s1, d0	
Thermal conductivity	DIN 4108	0.7 W/(m*K)	
Bond strength (28 days)	EN 15824:2017	≥ 0.3 MPa	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

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Substrate

Requirements	<p>Substrate in general:</p> <ul style="list-style-type: none"> – Firm, level, dry, load-bearing – Free of grease and dust – Free from sinter layers, efflorescence, and release agents <p>Note:</p> <ul style="list-style-type: none"> – Check whether the fixing is suitable for the substrate. – Damp or not fully cured substrates can lead to defects in the following coatings, e.g. bubble formation, cracks.
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Preparations	Check whether existing coatings are load-bearing. Remove any non load-bearing or structurally weak coatings. Clean the substrate if necessary
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Application

Application temperature	<p>Lowest temperature of substrate and air: +5 °C Highest temperature of substrate and air: +30 °C</p>
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Material preparation	<ul style="list-style-type: none"> – Stir the material well before application. – The material is ready-to-use after stirring. – Add water if necessary, in order to achieve the correct material consistency.
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Consumption	Type of application	Approx. consumption
	as reinforcing compound on EPS foam boards	3.50 - 9.50 kg/m ²
	as reinforcing compound on mineral wool insulation boards	4.50 - 10.00 kg/m ²

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

Application	<p>By machine, manually</p> <p>A: use as a reinforcing compound on EPS insulation boards</p> <ol style="list-style-type: none"> 1. Apply the product by machine or manually using a rust-free steel trowel. 2. Fully embed the mesh in the upper half of the still-damp reinforcing coat. The mesh joints must overlap by 10 cm. <p>B: usage as reinforcing compound on mineral wool insulation boards</p> <ol style="list-style-type: none"> 1. Apply a thin layer of the product by machine or manually using a rust-free steel trowel, work it into the insulation board using the steel trowel, then trowel off at a sharp angle. 2. Leave it to dry. 3. Apply the product by machine or manually using a rust-free steel trowel. 4. Fully embed the mesh in the upper half of the still-damp reinforcing coat. The mesh joints must overlap by 10 cm.
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Drying, curing, ready for next coat	<p>The following factors delay the drying and cure times:</p> <ul style="list-style-type: none"> – temperature – wind – relative humidity – unfavourable weather conditions – solar radiation – layer thickness <p>Protective measures:</p> <ol style="list-style-type: none"> 1. Take suitable protective measures. 2. Apply weather protection to any facade surface, which is to be treated or has just been completed.
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Overcoating after 24 hours at the earliest is possible under the following conditions: - substrate and air temperature: +20 °C - relative humidity: 65 %

Cleaning the tools Tools must be cleaned immediately after use with cleaning water

Notes, recommendations, special information, miscellaneous Please consult the local sales office for further information and any site assistance required.

Delivery

Colour shade White, limited tintability in accordance with the StoColor System

Packaging	Article number	Name	Packing
	00250-100	StoArmat Classic plus G	25 kg

Storage

Storage conditions Store in cool dry conditions; avoid direct sunlight.

Storage life The quality of the material in its original container is guaranteed for the maximum stated storage life. The storage life information is included in the batch number on the container.
Batch number explanation:
Number 1 = the last number of year, numbers 2 + 3 = a week
i.e.: 1450013223 – stock date until the 45th week of the year 2021

Identification

Product group Filler and reinforcing compound

Safety Please refer to Safety Data Sheet.

Special Notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on www.sto-sea.com.

Sto SEA Pte Ltd
159 Sin Ming Road
#06-02 Amtech Building
Singapore 575625
Phone: +65 6453 3080
Fax: +65 6453 3543
info.sg@sto.com
www.sto-sea.com

Sto SEA Sdn Bhd
28, Jalan Rajawali 3
Bandar Puchong Jaya,
47170 Selangor, Malaysia
Phone: +60 3 8080 9066
Fax: +60 3 8080 9255
info.my@sto.com
www.sto-sea.com

Sto SEA Pte Ltd
3656/49-52 Green Tower, 16th Floor
Rama IV Rd, Klongton, Klongtoei,
10110 Bangkok, Thailand
Phone: +66 2 1684 921 Ext. 230
Fax: +66 2 1684 999
info.sg@sto.com
www.sto-sea.com

Sto SE & Co. KGaA
Ehrenbachstrasse 1
79780 Stühlingen,
Germany
Phone: +49 7744 57-0
Fax: +49 7744 57-2178
info.sg@sto.com
www.sto-sea.com

*Product images may differ from the actual product.