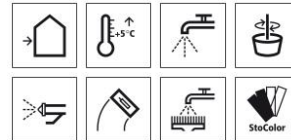


Technical Data Sheet

StoArmat Classic plus F

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
- as adhesive for StoCleyer W
- 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

- F: large texturing grain, fine-grained: approx. 0.7 mm

Information/notes

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

Technical Data Sheet

StoArmat Classic plus F

Technical data

Criterion	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	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.

Substrate

Requirements

Substrate in general:

- Firm, level, dry, load-bearing
- Free of grease and dust
- Free from sinter layers, efflorescence, and release agents

Note:

- Check whether the fixing is suitable for the substrate.
- Damp or not fully cured substrates can lead to defects in the subsequent coatings, e.g. bubble formation, cracks.

Preparations

- 1) Check the existing coating for its load-bearing capacity.
- 2) Remove any non load-bearing or structurally weak coatings.
- 3) Clean the substrate if necessary.

Application

Application temperature

substrate and air temperature
 minimum temperature: +5 °C
 Maximum temperature: +30 °C

Material preparation

- 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.

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

Technical Data Sheet

StoArmat Classic plus F

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

by machine, manually

A: use as a reinforcing compound on EPS insulation boards

- 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.

B: usage as reinforcing compound on mineral wool insulation boards

- 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.

Drying, curing, ready for next coat

The following factors delay the drying and cure times:

- temperature
- wind
- relative humidity
- unfavourable weather conditions
- solar radiation
- layer thickness

Protective measures:

- 1) Take suitable protective measures.
- 2) Apply weather protection to any facade surface, which is to be treated or has just been completed.

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

Clean tools with water immediately after use.

Notes, recommendations,

- Further information is described in the application guidelines for the systems.

Technical Data Sheet

StoArmat Classic plus F

special information, miscellaneous

Delivery

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

Packaging Pail

Storage

Storage conditions Store in tightly sealed original container in cool and frost-free conditions. Protect from direct sunlight.

Storage life Provided the storage conditions are adhered to, the quality of the product in its unopened, original container is guaranteed until the maximum storage life has expired. The storage life can be deduced from the batch number of the container. Batch number explanation:
Number 1 = the last number of year, numbers 2 + 3 = a calendar week
example: 6450013223 – storage life until week 45 of 2026
Use promptly after opening. Contamination, e.g. due to a soiled tool, can shorten the shelf-life.

Identification

Product group Filler and reinforcing compound

Composition

In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings
Polymer dispersion
silicate extenders
mineral extenders
aluminium hydroxide
Water
Glycol ether
Thickener
dispersing agent
anti-foaming agents
storage protection agent based on bronopol (INN)
storage protection agent based on 1,2-benzisothiazol-3-one (BIT) 20 %

Safety Observe the Safety Data Sheet!
Safety instructions refer to the ready-to-use, unapplied product.

EUH210 Safety data sheet available on request.

Technical Data Sheet

StoArmat Classic plus F

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one[EC no.247-500-7]and 2-methyl-2H-isothiazol-3-one[EC no.220-239-6] (3:1). May produce an allergic reaction.

These are preservatives.
Avoid contact with the skin and the eyes.

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 the Internet.

Sto SE & Co. KGaA
Ehrenbachstr. 1
79780 Stühlingen / Germany
Phone: +49 7744 57-0
Fax: +49 7744 57-2178
Infoservice.export@sto.com
www.sto.com