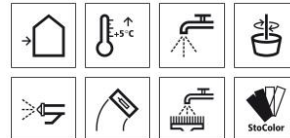


Technical Data Sheet

Sto-RFP

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



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 subject to weathering (does not apply to StoDeco Facade Elements)

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
- highly flexible
- ready-to-use
- resistant to cracking
- excellent application properties
- maximum resistance to mechanical stress
- highly weather-resistant
- no undercoat necessary
- high application reliability
- good application properties
- well suitable for machine application

Information/notes

- crack extension: approx. 2 %
- Impact resistance: > 10 joules are possible with appropriate system build-up.

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.7 - 1.9 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783	0.58 - 0.68 m	V2 medium

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Water permeability rate w	EN 1062-1	< 0.05 kg/(m ² h ^{0.5})	W3 low
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783	300 - 500	V2 medium
Water absorption (class)	EN 1062 -3		W 3
Reaction to fire (class)	EN 13501-1	A2-s1, d0	
Thermal conductivity	DIN 4108	0.7 W/(m*K)	
Bond strength (28 days)	EN 1542	≥ 0.3 N/mm ²	

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 following 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	2.50 - 4.00	kg/m ²
as levelling (fine filler)	1.00	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.

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Application

manually, by machine

Recommendation:

- application by machine with a mixer and/or a pump
- The paste-form components are delivered ready-to-use in the StoSilo Comb.
- For refilling the StoSilo Comb the StoSilo Vario refill container can be used.
- The hose and machine do not have to be cleaned every day.

A: use as a reinforcing compound

- 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.

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, special information, miscellaneous

- Further information is described in the application guidelines for the systems.
- Recommendation in damp and cold weather: do not use Sto-RFP. Use Sto-RFP QS instead.

Delivery

Colour shade

white, limited tintability in accordance with the StoColor System

Packaging

pail

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Sto-RFP

Storage

Storage conditions Store tightly sealed in frost-free conditions. Protect from heat and direct sunlight.

Storage life The quality of the product in its original container is guaranteed until the maximum storage life has expired. The storage life information is included in the batch number on the container.
 Explanation of batch no.:
 digit 1 = last digit of the year, digits 2 + 3 = calendar week
 Example: 1450013223 - storage life ends week 45 in 2021

Certificates/approvals

ETA-05/0098	StoTherm Classic [®] 2 (EPS and StoLevell Classic/StoLevell Classic QS/Sto-RFP) European Technical Assessment
ETA-09/0266	StoTherm Classic [®] 8 (EPS and StoArmat Classic/Classic plus) European Technical Approval
ETA-18/0582	StoTherm Classic [®] 8 (MW/MW-L and StoArmat Classic S1/StoLevell Classic + QS/Sto-RFP + QS/StoPrefa Armat) European Technical Assessment
ETA-13/0581	StoTherm Mineral 8 (timber frame construction - MW-L and StoLevell Uni/StoLevell Novo, fixing: bonded) European Technical Assessment
ETA-17/0406	StoVentec R European Technical Assessment

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
 mineral extenders
 silicate extenders
 aluminium hydroxide
 water
 glycol ether
 aliphatics
 thickener
 dispersing agent

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

Technical Data Sheet

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EUH210

Safety data sheet available on request.

EUH208

Contains 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.

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.

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