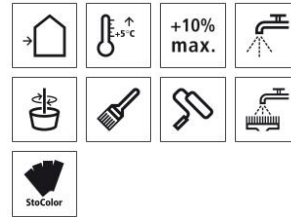


Technical Data Sheet

Sto-Primer

Filled, pigmented, organic undercoat



Characteristics

- 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 CO₂
 - pigmented

- Appearance**
- filled

- Information/notes**
- only weather-resistant to a limited extent without a finish

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.4 - 1.6 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783	0.21 - 0.32 m	V2 medium
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783	3,200	
Grain size		500 μ m	

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

The substrate must be firm, dry, clean, load-bearing, and free from sinter layers, efflorescence and release agents.

Observe the drying times of the base coats before overcoating. Curing of new mineral base coats takes approx. one day per 1 mm layer thickness. The information on reworking contained in the technical data sheets for base coats applies.

Preparations

Check existing coatings for their load-bearing capacity. Remove any non load-bearing or structurally weak coatings.

Application

Application temperature

Lowest temperature of substrate and air: +5 °C
 Highest temperature of substrate and air: +30 °C

In damp and cold weather, use the StoPrep QS and Sto-Primer QS products.

Material preparation

Stir the material well before application. The product is ready-to-use. Dilute with max. 10 % water depending on the substrate.
 Recommendation: Dilute the material with max. 5 % water to sustainably delay any calcium carbonate efflorescence from the mineral substrates.

Consumption

Type of application	Approx. consumption	
as intermediate coat	0.30	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.

Coating build-up

Substrate coating:
 Depending on the type and condition of the substrate.
 Strongly absorbent substrates: prime with StoPlex W or StoPrim Micro.

Intermediate coat:
 Sto-Primer in the colour shade of the finish

Finish:
 finishing render with Lotus-Effect® Technology, silicone resin and organic finishing renders, dispersion silicate renders, and modified, mineral plasters

Application

by paint brush, by roller

 by airless spray-gun - to a limited extent only

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Drying, curing, ready for next coat The product dries physically, in that water evaporates. High humidity, low temperature and reduced air exchange prolong the drying time.

At +20 °C temperature (air and substrate) and 65 % relative air humidity: over-coatable after approx. 12 hours.

Cleaning the tools Clean tools with water immediately after use.

Delivery

Colour shade white, tintable in accordance with the StoColor System

Tintable Possible to tint with max. 1 % StoTint Aqua.

Packaging pail

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-09/0058	StoTherm Classic® 5 (EPS and StoArmat Classic plus/StoArmat Classic plus QS) European Technical Assessment
ETA-20/0465	StoTherm Classic® 11 (EPS and StoArmat Classic HD + StoAdditiv HD) European Technical Assessment
ETA-20/0480	StoTherm Classic® 11 (MW/MW-L and StoArmat Classic HD + StoAdditiv HD) European Technical Assessment
ETA-05/0130	StoTherm Vario 1 (EPS and StoLevell Uni) European Technical Assessment
ETA-06/0045	StoTherm Vario 3 (EPS and StoLevell Novo) European Technical Assessment
ETA-06/0107	StoTherm Vario 4 (EPS and StoLevell Duo) European Technical Assessment
ETA-03/0037	StoTherm Vario 5 (EPS and StoLevell Beta) European Technical Assessment
ETA-12/0561	StoTherm Vario 7 (EPS and StoLevell FT) European Technical Assessment

Technical Data Sheet

Sto-Primer

ETA-19/0443	StoTherm Vario 8 (timber frame construction – EPS and StoLevell Duo/StoLevell Duo plus/StoLevell Uni/StoLevell Novo/StoLevell FT) European Technical Assessment
ETA-09/0231	StoTherm Mineral 1 (MW/MW-L and StoLevell Uni) European Technical Assessment
ETA-07/0027	StoTherm Mineral 3 (MW/MW-L and StoLevell Novo) European Technical Assessment
ETA-13/0901	StoTherm Mineral 5 (MW/MW-L and StoLevell FT) 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-06/0197	StoTherm Cell European Technical Assessment
ETA-08/0303	StoTherm Wood 1 (timber frame construction - soft wood fibre and StoLevell Uni/StoLevell FT/StoLevell Novo, fixing: anchor-fixed) European Technical Assessment
ETA-09/0304	StoTherm Wood 2 (timber frame construction - soft wood fibre and StoLevell Uni/StoLevell FT, anchor/adhesive) European Technical Assessment
ETA-13/0580	StoTherm Resol Plus European Technical Approval
ETA-17/0041	StoTherm PIR European Technical Assessment
ETA-17/0705	StoTherm Basic EPS European Technical Assessment
ETA-17/0706	StoTherm Basic MW/MW-L European Technical Assessment
ETA-17/0406	StoVentec R European Technical Assessment

Identification

Product group Primer

Composition

In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings
 polymer dispersion
 titanium dioxide
 mineral extenders
 silicate extenders
 water
 glycol ether
 aliphatics
 thickener

Technical Data Sheet

Sto-Primer

dispersing agent
wetting agents
pH-regulating agents
storage protection agent based on 1,2-benzisothiazol-3-one (BIT)
storage protection agent based on bronopol (INN)

Safety

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

EUH210

Safety data sheet available on request.

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-2H-isothiazol-3-one.
May produce an allergic reaction.

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

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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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