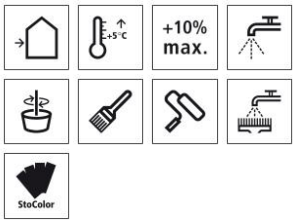
Technical Data Sheet

Sto-Putzgrund
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 CO_2
- pigmented

Appearance

- filled

Information/notes

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

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.4 - 1.6 g/cm³	
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 µm	

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

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 Isol Q 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/m²

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.
Highly absorbent substrates: prime with StoPrim Micro or StoPrim Sol GT.

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

Drying, curing, ready for next

The product dries physically, in that water evaporates.

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coat	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 in tightly sealed original containers 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. Incorporated contamination can shorten the shelf-life, e.g. due to a soiled tool.

Certificates/approvals

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 Alpha) European Technical Assessment
ETA-12/0561	StoTherm Vario 7 (EPS and StoLevell FT) European Technical Assessment
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-07/0023	StoTherm Mineral 6 (MW/MW-L and StoLevell Duo/StoLevell Duo Plus) 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 Assessment
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

	alcohols thickener dispersing agent wetting 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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