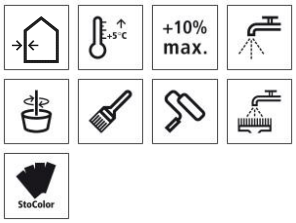
# Technical Data Sheet
# Sto-Primer

Filled, pigmented, organic undercoat




## Characteristics

| | |
|---|---|
| **Area of application** | • interior & exterior<br>• on mineral and organic substrates<br>• for organic and silicone resin renders<br>• for modified, mineral renders<br>• for dispersion silicate renders<br>• for finishing renders with Lotus-Effect® Technology |
| **Properties** | • adhesion-promoting<br>• absorbency-regulating<br>• prolongs the open time of the finishing render during application<br>• alkali-resistant<br>• permeable to water vapour and $CO_2$<br>• 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/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.

# Technical Data Sheet
# Sto-Primer

## 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/air: +5 °C
Highest temperature of substrate/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/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.
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

# Technical Data Sheet
# Sto-Primer

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

| **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.<br>Explanation of batch no.:<br>digit 1 = last digit of the year, digits 2 + 3 = calendar week<br>Example: 9450013223 - storage life ends week 45in 2019 |

**Certificates/approvals**

| | |
|---|---|
| ETA-09/0058 | StoTherm Classic® 5 (EPS and StoArmat Classic plus)<br>European Technical Approval |
| ETA-05/0130 | StoTherm Vario 1 (EPS and StoLevell Uni)<br>European Technical Approval |
| ETA-06/0045 | StoTherm Vario 3 (EPS and StoLevell Novo)<br>European Technical Approval |
| ETA-06/0107 | StoTherm Vario 4 (EPS and StoLevell Duo)<br>European Technical Approval |
| ETA-03/0037 | StoTherm Vario 5 (EPS and StoLevell Beta)<br>European Technical Approval |
| ETA-12/0561 | StoTherm Vario 7 (EPS and StoLevell FT)<br>European Technical Approval |
| ETA-09/0231 | StoTherm Mineral 1 (MW/MW-L and StoLevell Uni)<br>European Technical Approval |
| ETA-07/0027 | StoTherm Mineral 3 (MW/MW-L and StoLevell Novo)<br>European Technical Approval |
| ETA-13/0901 | StoTherm Mineral 5 (MW/MW-L and StoLevell FT)<br>European Technical Approval |
| ETA-13/0581 | StoTherm Mineral 8 (timber frame construction - MW-L and StoLevell Uni/StoLevell Novo, fixing: bonded)<br>European Technical Approval |

# Technical Data Sheet
# Sto-Primer

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|---|---|
| ETA-06/0197 | StoTherm Cell<br>European Technical Approval |
| ETA-08/0303 | StoTherm Wood 1 (timber frame construction - soft wood fibre and StoLevell Uni/StoLevell FT/StoLevell Novo, fixing: anchor-fixed)<br>European Technical Approval |
| ETA-09/0304 | StoTherm Wood 2 (timber frame construction - soft wood fibre and StoLevell Uni/StoLevell FT, anchor/adhesive)<br>European Technical Approval |
| ETA-13/0580 | StoTherm Resol Plus<br>European Technical Approval |
| ETA-17/0041 | StoTherm PIR<br>European Technical Approval |
| ETA-17/0406 | StoVentec R<br>European Technical Approval |
| ETA-17/0705 | StoTherm Basic EPS<br>European Technical Approval |
| ETA-17/0706 | StoTherm Basic MW/MW-L<br>European Technical Approval |

## 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
dispersing agent
wetting agents
pH-regulating agents
storage protection agent based on BIT/MIT (1:1)
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.

# Technical Data Sheet
# Sto-Primer

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| **EUH208** | Contains 1,2-benzisothiazol-3(2H)-one, mixture 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), 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.<br><br>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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