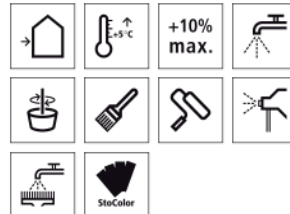


Technical Data Sheet

Sto Primer

Filled, pigmented, organic priming coat



Characteristics

Application

- For exterior use
- For organic and silicone resin coatings
- Not suitable for horizontal or sloping surfaces with weathering

Properties

- Adhesion-promoting
- Absorbency-regulating
- Extends the workable time when applying plaster
- CO₂ and water vapour permeable
- Alkali-resistant
- Pigmented
- Filled
- Colour shade of the substrate adjusting

Technical data

Criterion	Norm / Test Script	Value/ Unit	Notes
Density	EN ISO 2811	1,4 - 1,6 g/cm ³	
Water vapour diffusion, sd-value	EN ISO 7783-2	0,21 - 0,32 m	V2
Water vapour diffusion, μ-value	EN ISO 7783-2	3.200	
Grain size		500 μm	

The values stated are average values. Due to the use of natural raw materials in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

Substrate

Requirements

The substrate must be firm, dry, clean and load bearing as well as free of sinter layers, efflorescence and separating agents. Currently finished base coat renders have to cure at least 2 weeks.

Preparation

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

Application

Application temperature

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

In case of moist weather Sto Primer QS is recommended.

Material preparation

Ready for use. Depending on the substrate, the material can be adjusted with max. 10 % water. Mix up well before application.

We recommend a dilution with max. 5 % on mineral substrates. In this way efflorescence of calcium carbonate coming out of the substrate can be retarded sustainable.

Consumption

Type of application	Consumption approx.
as intermediate coat	0,30 kg/m ²

The consumption depends on the application method, substrate and consistence,

Technical Data Sheet

Sto Primer

	amongst other factors. The stated consumption values are guide values only. Where required, precise consumption values can be established on site.
Coating procedure	<p>Priming coat: Depends on the type and condition of the substrate. Substrate plasters that have strong suction need to be primed with Stoplex W or StoPrim Micro.</p> <p>Intermediate coat: Sto Primer, adjusted to the top coat's colour shade</p> <p>Top coat: Finishing plaster/ render with Lotus-Effect, silicon resin-, organic finishing plasters/ renders</p>
Application	<p>Application by brush, roller. Airless spray application only partially!</p>
Drying, curing, overcoating	<p>The material is drying physical by evaporation of water.</p> <p>In conditions of high air humidity and/or low temperature, drying will be delayed accordingly.</p> <p>At +20 °C temperature (air and substrate) and 65 % relative humidity, the next coat can be applied after approx. 12 hours.</p>
Tool cleaning	Clean tools with water immediately after use.
Delivery	
Colour shade	Available in white, tintable according to the StoColor System
Tintability	Tintable by up to 1 % StoTint Aqua
Storage	
Storage conditions	Keep container tightly closed and store in frost free conditions. Store away from heat and direct sunlight.
Storage life	<p>The quality of the material in its original container is guaranteed for the maximum stated storage life. The storage life information is included in the batch number on the container.</p> <p>Explanation of batch number: Digit 1 = last digit of the year, digit 2 + 3 = calendar week Example: 1450013223 - storage life ends at the end of week 45 in 2011</p>
Certificates / Approvals	
	ETA-09/0288 StoTherm Classic 5 MW/MW-L European technical approval
	ETA-03/0037 StoTherm Vario 5 (EPS and StoLevell Beta) European technical approval
	ETA-06/0197 StoTherm Cell (A2) European technical approval
	ETA-08/0303 StoTherm Wood 1 (HWF and StoLevell Uni, dowel/bracket) European technical approval
	ETA-09/0304 StoTherm Wood 2 (HWF and StoLevell Uni) European technical approval
	Z-33.41-116 StoTherm Classic / Vario, bonded on solid substrates National technical approval
	Z-33.42-129 StoTherm Classic / Vario / Mineral, rail attachment National technical approval
	Z-33.43-61 StoTherm Classic / Vario / Mineral, bonded and doweled National technical approval
	Z-33.43-66 StoTherm Cell National technical approval
	Z-33.43-925 StoTherm Wood for solid construction substrates

Technical Data Sheet

Sto Primer

	National technical approval
Z-33.43-1182	StoTherm Resol, bonded and doweled National technical approval
Z-33.44-202	IspoTherm A, lamella National technical approval
Z-33.44-790	Reuse approval to Z-33.44-202 National technical approval
Z-33.47-659	StoTherm Wood in timber frame construction National technical approval
Z-33.47-811	StoTherm Classic / Vario / Classic L, bonded, in timber frame construction National technical approval
Z-33.49-742	Doubled-up on existing EWIS National technical approval
Z-33.2-124	StoReno plaster and EWIS refurbishment National technical approval
Z-33.2-601	StoVentec for timber frame construction National technical approval
P-BWU03-I-16.4.37	Sto-Decolit K/R – building material class A2 General building control test certificate
P-BWU03-I-16.5.151	Stolit K/R / Stolit QS K/R - building material class B1 General building control test certificate
P-BWU03-I-16.5.152	Sto-Superlit - building material class B1 General building control test certificate

Identification

Product group	Primer
Composition	According to VdL-policy ("Bautenanstrichmittel") polymer dispersion, titanium dioxide, calcium carbonate, quartz, talcum, water, glycol ether, aliphates, additives, preservatives
GISCODE	M-GP01Grundanstrichstoffe, pigmented, water-diluteable
Health and safety	For further information on handling, storage and disposal of the product, please refer to the current Material Safety Data Sheet, available on request for professional users.

General information

The information and data in this technical data sheet is intended for common applications and the product's suitability for these, and is based on our findings and experience.

Nevertheless, users are responsible for establishing the suitability of the product for their intended use.

Applications other than those mentioned explicitly in this technical data sheet may not be carried out unless they have been discussed with Sto AG. Where no approval is given, such applications are at the risk of the user. 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.

Sto AG
Ehrenbachstr. 1
D-79780 Stühlingen
Phone +49 7744 57-1166
Fax +49 7744 57-2166
infoservice.export@sto.eu.com