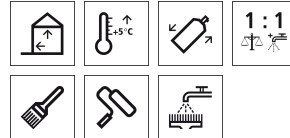


Technical data sheet

StoSilent Prim

Water-based primer



Characteristics

- Areas of application**
- interior
 - as special primer under acoustic systems

- Properties**
- absorbency-regulating
 - adhesion-promoting
 - surface-consolidating

- Information/notes**
- If a test coat shows nicotine, soot, water stains, or lignin discolorations, priming with StoPrim Isol is recommended.

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Criterion	Standard / test regulation	Value/ Unit	Notes
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Density	EN ISO 2811	0.9 - 1.1 g/cm ³	
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The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that 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, and load-bearing, as well as free from sinter layers, efflorescence and release agents. Damp or not fully cured substrates can lead to defects in subsequent layers, such as blistering or cracks. Therefore do not apply onto damp or soiled substrates.

- Preparations**
- Old substrates:
remove non load-bearing paint remnants as well as non load-bearing old (paint)

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coats and subsequently clean the substrate (mechanically or using a suitable paint remover).

Plasters of mortar groups PG II + III:
do not pre-treat solid, normally absorbent substrates before coating them. Prime large-pored, sandy, highly absorbent plasters with StoPrim Plex.

Gypsum and pre-mixed plasters of mortar groups PG IV (not for mortar group IV d) + V:
prime with StoPrim Plex.

Gypsum construction board:
prime absorbent boards with StoPrim Plex.

Gypsum plasterboards:
Prime the gypsum surface including the sanded filler coat with StoPrim Plex.

In case of visible yellowing, apply an additional blocking coat of StoPrim Isol (see BFS data sheet 12). According to the gypsum plasterboard manufacturing industry data, prolonged exposure of gypsum surfaces to light can result in discolouration and subsequent colour variations of the final plaster layer and paint coats. To assess the potential risk, carry out a sample coat across several board areas, including the filled areas.

A hairline crack-bridging coat in accordance with VOB Part C, DIN 18363, Paragraph 3.2.1.2 is ensured through full-surface reinforcement, e.g. with StoTap Pro 100 S or StoTap Pro100 P.

Concrete:
remove contaminants due to formwork oil, grease, and wax. Touch up gaps and shrinkage holes with StoLevell In Z. Prime with StoPrim Plex.

Porous concrete:
Prime with StoPrim Plex and apply a smoothing filler.

Fair-faced brick masonry:
prime with StoPrim Plex.

Wood, hardboard, particle board, and plywood boards:
prepare waxed boards accordingly. Prime with StoPrim Plex or Sto-AquaPrime.

Load-bearing coats:
rework matt, weakly absorbent coatings directly. Roughen glossy surfaces and lacquer coats and apply an intermediate coat of StoPrim Color. Prime highly absorbent old dispersion paint coats with StoPrim Plex.

Old lime and mineral paints and coatings:
mechanically remove and dust off the surfaces as much as possible. Prime with StoPrim Plex.

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Distemper paint coats:
wash off thoroughly and treat the substrate accordingly.

Non-adherent wallpapers:
remove all traces of the wallpaper. Wash off any remains of wallpaper paste and waste paper. Seal gaps with StoLevell In Fill and then treat them accordingly.

Mould-infested surfaces:
remove mould layers through wet cleaning (e.g. brushing or scraping off). Subsequent treatment with StoPrim Fungal. Priming depends on the type and composition of the substrate.

Surfaces with nicotine, water, soot or grease stains:
wash off the surfaces with water that has grease-dissolving household cleaner added to it, allow to fully dry and brush off. Apply an isolating priming coat of StoPrim Isol, a second priming coat may be required depending on the conditions.

When coating acrylic joints and waterproofing compounds, cracks and/or discolouration in the coat can occur due to the higher elasticity of the acrylic waterproofing compound. Due to the wide range of products on the market, carry out your own tests to assess the adhesive capacity.

The coating layer build-ups and recommendations listed do not release the applicator from his or her own responsibility for substrate testing and assessment.

Application

Application temperature Lowest substrate and air temperature for application: +5 °C

Material preparation

Ready-to-use

Before applying the product shake it thoroughly in its original container. Depending on the absorption capacity of the substrate product is dilutable with water up to a mixing ratio of 1 : 1

Use as little water as possible to achieve application consistency. Stir well before application. As a rule, in case of strong colour shades less water needs to be added to achieve the optimum application consistency. Too much thinning of the material will make application more difficult and will result in poorer characteristics (e.g. hiding power, colour shade).

Consumption

Type of application	Approx. consumption	
in case of gypsum plasterboards	0.20	l/m ²

Material consumption depends on, among other factors, the application, substrate

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and consistency. The stated consumption values are only to be used as a guide. If required, precise consumption values should be determined on the basis of the specific project.

Application	<p>paint, by roll</p> <p>Never apply by machine (spraying).</p>
Drying, curing, ready for next coat	<p>Further system build-up after sufficient drying, usually overnight (+20 °C and 65 % relative air humidity).</p> <p>High humidity and/or low temperatures prolong drying. At +20 °C temperature (air and substrate) and 65 % relative air humidity, the next coat can be applied after approx. 24 hours.</p>
Cleaning the tools	Clean tools with water immediately after use.
Indications, recommendations, special information, miscellaneous	<p>Please observe the general Sto application guidelines for acoustic systems. They are available from Sto SE & Co. KGaA.</p> <p>Installation/coating must only be carried out after prior instruction.</p>

Delivery

Packaging can

Storage

Storage conditions Store tightly sealed in frost-free conditions.

Storage life The quality of the original package is guaranteed until stock by date. The batch number of the package indicates the end of the storage period.

Batch number explanation:
 Number 1 = the last number of year, numbers 2 + 3 = a week
 I.e.: 5450013223 – storage life until the 45th week of the year 2015

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Certificates/approvals

Identification

Product group Primer

Composition In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings:., polymer dispersion, water, glycol ether, additives, preservatives

Safety Please observe safety data sheet

Special notes

The information or data 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. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation. Where no approval is given, such applications are at the risk of the user. This applies particularly to combinations 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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StoSilent Prim

Sto SE & Co. KGaA

Ehrenbachstr. 1

D - 79780 Stühlingen

Phone: +49 7744 57-0

Fax: +49 7744 57-2178

Infoservice.export@sto.com

www.sto.com