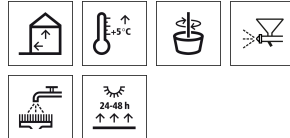


Technical data sheet

StoSilent Prep Quarz

Organic bonding agent for Sto-Acoustic Plasters



Characteristics

Areas of application

- interior
- onto substrates that are not suitable for direct rendering due to high density or low absorption capacity (smooth concrete, gypsum plasterboards, etc.)

Properties

- filled
- adhesion-promoting
- absorbency-regulating
- pigmented

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| Criterion | Standard / test regulation | Value/ Unit | Notes |
|-----------|----------------------------|-----------------------------|-------|
| Density | EN ISO 2811 | 1.6 - 1.8 g/cm ³ | |

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

New substrates:
remove soiling, then clean the surfaces. Remove any sinter skin.

Old substrates:

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remove non load-bearing paint remnants as well as non load-bearing old (paint) 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 plasters and pre-mixed plasters of mortar groups PG IV + V:
sand, dust off, and prime any sinter skin with StoPrim Plex.

Gypsum construction boards:
in case of absorbent boards prime with StoSilent Prim.

Gypsum plasterboards:
maximum approved carrier rail spacing: 30 cm
sand off spatula burrs. Apply StoPrim Plex to the gypsum plasterboard surface including the sanded filler in preparation for subsequent coating.

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.

Concrete:
remove contaminants due to formwork oil, grease, and wax using a jet wash. Correct small gaps and shrinkage holes with StoLevell In Z. Prime with StoPrim Plex.

Porous concrete:
prime with StoSilent Prim and smooth with StoLevell In Fill.

Fair-faced brick masonry:
clean, remove dust and prime with StoSilent Prim.

Load-bearing coats:
rework matt, weakly absorbent coatings directly. Roughen glossy surfaces and lacquer coatings. In case of highly absorbent old dispersion paint coats prime with StoSilent Prim.

Old lime and mineral paint coats and coatings:
mechanically remove and dust off the surfaces as much as possible and prime with StoSilent Prim.

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

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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

Stir well with a stirrer before application.

Use as little water as possible to achieve application consistency. Stir well before application. For machine application the amount of water added depends on the requirement of the respective machine/pump. 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 | |
|-----------------------------|---------------------|-------------------|
| as primer (adhesion primer) | 0.90 | kg/m ² |

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

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| | |
|---|--|
| Application | spray with the hopper gun StoSilent Prep Quarz can be sprayed using suitable spraying equipment (Sto-Hopper Gun, 6 mm nozzle). |
| Drying, curing, ready for next coat | 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. 48 hours. |
| Cleaning the tools | Clean tools with water immediately after use. |
| Indications, recommendations, special information, miscellaneous | Please observe the general Sto application guidelines for acoustic systems. They are available from Sto SE & Co. KGaA. Installation/coating must only be carried out after prior instruction. |

Delivery

Colour shade green

Packaging bucket

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

| | |
|-------------------------------|--|
| Declaration of conformity No. | Acoustic products formulation identity/name change |
| 2014-04 | Certificate of conformity |

Identification

| | |
|----------------------|---------------|
| Product group | Bonding agent |
|----------------------|---------------|

| | |
|--------------------|--|
| Composition | In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings, polymer dispersion, mineral pigments, silicon dioxide, calcium carbonate, water, 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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