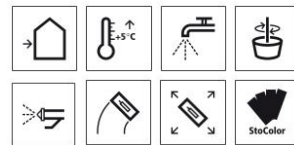


# Technical Data Sheet

## Sto-GraniTex

Organic texturing finishing render for imitating stone and ceramic surfaces



### Characteristics

- Application**
- Exterior and interior
  - Decorative top coat

### Properties

- Decorative: very good imitation of a real stone or ceramic appearance
- Good weather-resistant, water-repellent, water vapour permeable
- Resistant to acid rain, algae and fungi
- Good adhesion, application properties, dirt-pickup and long-term colour stability
- Massive, elastic surface, crack-bridging in case of small cracks, good mechanical resistance
- Easy application with spray and/or trowel application

### Appearance

- With AM, AP, BIM, BIP, BM, BP, CM, CP series the product offers different surface pattern

### Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	DIN 53217	1.7 - 1.85 g/cm <sup>3</sup>	
Water permeability rate w	EN 1062 -3	< 0.05 kg/(m <sup>2</sup> *h <sup>0,5</sup> )	W3 low
Water vapour diffusion resistance factor μ	EN ISO 7783-2	100 - 200	V2 medium
Fire behaviour (class)	EN 13501-1	A2-s1, d0	Non-combustible
Thermal conductivity	DIN 4108	0.7 W/(m*k)	

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 purpose.

### 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 coats, such as blistering or cracks. The surface moisture must be < 10% and alkalinity (pH) < 10.

#### Preparations

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

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### Application

**Application temperature**      Lowest temperature of substrate/air: +5°C  
 Highest temperature of substrate/air: +35°C  
 Do not apply in wet (relative moisture greater than 85%), or frost conditions, also on sun heated substrates or in direct sunlight.

### Material preparation

Diluted with max. 5% water to achieve application consistency. Stir well before application.

### Consumption

Type of application	Approx. consumption
AM / AP series	approx. 2.8-3.5 kg/m <sup>2</sup>
BIM / BIP series	approx. 3.2-3.8 kg/m <sup>2</sup>
BM / BP series	approx. 3.5-4.2 kg/m <sup>2</sup>
CM / CP series	approx. 3.8-4.5 kg/m <sup>2</sup>

Material consumption depends on the application, substrate and consistency, amongst other factors. The specified consumption values are only to be used as a guide. If required, precise consumption values should be determined on the project.

### Coating procedure

**Priming coat:**  
 Depends on the type and condition of the substrate, e.g. StoPlex W

**Paint coat in the colour shade of the joints:**  
 Sto facade paint, e.g. StoColor Crylan

**Intermediate coat:**  
 Sto-Primer in the same colour shade as Sto-GraniTex

**Finish coat:**  
 Sto-GraniTex

**Top sealing:**  
 StoTop Lasura water-based (transparent)

### Application

Depends on the product series the product can either be sprayed or applied by towel. A detailed application method for Sto-GraniTex can be found in the application guideline.

1. No application under direct solar radiation, high temperatures or temperatures below +5°C. Application is prohibited in case of strong winds, rain or high humidity of >90%.
2. Stir the material well before application. The lid of the pail must be closed during application interval.
3. Only stainless steel trowels may be used in order to avoid rust markings on the textured surface.
4. Some of the raw materials are colour sands that can be found in nature, therefore there are small colour shade differences from batch to batch. For this reason, please order all of the material needed in one order.

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**Drying, curing, reworking time** The product physically dries through evaporation of the water. Complete through-drying is achieved after approx. 14 days. Unfavourable conditions delay drying.

During unfavourable weather conditions it is imperative that suitable protective measures (e.g. protection against rain) be applied to the work in progress and freshly completed facades.

When the air and substrate/base temperature is of about +20°C and the relative humidity is of 65%, the product surface dries within 2 hours. It hardens within 12 hours. The clear topcoat can be applied after 24 hours.

**Cleaning the tools** Clean tools with water immediately after use.

### Delivery

**Colour shade** Tintable in accordance with the Sto-GraniTex colour chart. When used on the facade the lightness value of the colour shade may generally not be less than 20%. Recommendations on the intermediate and base coat for the joints must be based on the StoColor System.

Please note that the some colour shade can appear differently due to different application methods.

**Gloss level** Sto-GraniTex is matt finish. It appears slightly silk matt after topcoat.

**Packaging** 25KG Pail

### Storage

**Storage conditions** Store tightly sealed in frost-free conditions. Protect against heat and direct solar radiation.

**Storage life** 24 months from date of manufacture (see packaging).

### Identification

**Product group** Facade render

**Composition** In accordance with VdL directive (German Paint and Printing Ink Association): Construction coating materials for buildings, special acrylic polymer dispersion, high-temperature calcination ceramic sand, resin chips, gravel grains and various functional additives

**Security** Please observe safety data sheet

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## Sto-GraniTex

### Special information

The information or data serves to ensure the product's intended purpose 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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