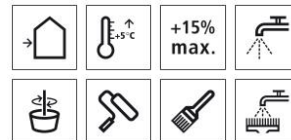


Technical Data Sheet

StoProtect Transparent

Transparent protective coating
(StoSuperlit Protect)



Characteristics

Area of application	<ul style="list-style-type: none"> • exterior • for coating old and new Sto natural stone render surfaces • as a protective coating on organic finishing renders and paints (use diluted) • not suitable for damp substrates or substrates with moisture underneath • not suitable for surfaces subject to foot or vehicle traffic • only with limited guarantee for use on sloping StoSuperlit surfaces exposed to weathering
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Properties	<ul style="list-style-type: none"> • transparent • weather-resistant • protective • contains a highly effective UV light protection combination • silk matt • water-dilutable • water vapour permeable • without biocide film protection
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Appearance	<ul style="list-style-type: none"> • transparent • silk matt
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Information/notes	<ul style="list-style-type: none"> • without preventive protection against algae and fungal attack • transparent sealing coat • for the best transparency, only use the product on dry substrates in good drying conditions
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Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density		1.05 g/cm ³	
Diffusion-equivalent air layer thickness		1.35 m	V2 medium
Water permeability rate w		0.09 kg/(m ² h ^{0.5})	W3 low

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Water vapour diffusion-equivalent air layer thickness μ	8,400	V2 medium
Gloss	Mid sheen	Measurement angle of 60°
Mass flow density V	EN ISO 7783	medium

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.

Substrate

Requirements

Note: If the substrate is too damp or the sealing coat becomes subsequently moistened from the rear, this moisture can lead to capillary penetration into the render or condense, and thus cloud the transparent binder. That leads to damage in the entire substrate and coating build-up.

The substrate must be clean, dry, load-bearing, UV-resistant, and free from salt and separating substances. Damp or not fully cured substrates can lead to defects in the following coatings, e.g. bubble formation, cracks.

Preparations

Recommendation: Before commencing application, create a meaningful, project-specific, sample surface area. On completion of the sample surface area, it should be approved by the site manager or client, and preserved or documented as a reference surface for the service commissioned.

Clean old substrates made of natural stone render thoroughly and then leave them to dry well before coating.

Application

Application temperature

Lowest temperature of substrate and air: +5 °C
 Highest temperature of substrate/air: +35 °C
 max. relative air humidity: 80 %

Material preparation

Mix the material with a slow running paddle mixer to ensure against blisters. If the product is applied in several layers, dilute the material for the base and intermediate paint coat with max. 30 % water. If the product is applied in one layer or as a top paint coat, dilute the material with max. 15 % water.

Consumption

Type of application	Approx. consumption	
on 2.0 grain natural stone render, per paint coat	250	g/m ²
on smooth substrate, per paint coat	160	g/m ²

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a

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guide. If required, determine precise consumption values on the basis of the specific project.

Coating build-up With natural stone render 2.0 grain:
StoSuperlit Protect

Application by paint brush, by roller
Apply the product evenly to the prepared substrate using a roller or paint brush.

Drying, curing, ready for next coat Protect the surface from harmful weathering influences during application until through-drying. During this phase, the transparent binder film is sensitive and may, for example, cloud whitishly if it takes in moisture from the substrate or weather.

Harmful effects of the weather are, for example, frost, moisture in the form of rainfall or condensate, as well as forced drying by intense, direct solar radiation.

The product dries physically, in that water evaporates.
High humidity, low temperature and reduced air exchange prolong the drying time.

At +20 °C temperature (air and substrate) and 65 % relative air humidity: over-coatable after approx. 24 hours.

Cleaning the tools Clean tools with water immediately after use.

Delivery

Colour shade transparent

Packaging pail

Storage

Storage conditions Store tightly sealed in frost-free conditions.

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.
Explanation of batch no.:
digit 1 = last digit of the year, digits 2 + 3 = calendar week
Example: 1450013223 - storage life ends week 45 in 2021

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Identification

Product group Sealer

Composition

In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings
 polymer dispersion
 silicate extenders
 water
 glycol ether
 surface additive
 light stabiliser
 anti-foaming agents
 thickener
 wetting agents
 storage protection agent based on CIT/MIT 3:1
 storage protection agent based on 1,2-benzisothiazol-3-one (BIT)

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
 Observe the Safety Data Sheet!
 Safety instructions refer to the ready-to-use, unapplied product.

Harmful to aquatic life with long lasting effects. Avoid release to the environment. Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass 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). May produce an allergic reaction.

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.

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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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