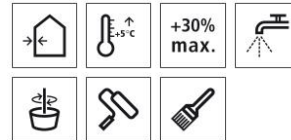


Technical Data Sheet

StoProtect Transparent

Transparent protective coating



Characteristics

Area of application

- exterior
- interior
- for coating old and new Sto natural stone render surfaces
- as a protective coating on organic finishing renders and paints
- 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 weather conditions

Properties

- transparent
- weather-resistant
- protective
- contains a highly effective UV light protection combination
- silk matt
- water-dilutable
- water vapour permeable
- without biocide film protection

Appearance

- transparent
- silk matt

Information/notes

- without preventive protection against algae and fungal attack
- transparent pure acrylate sealing coat
- for the best transparency, only use the product on dry substrates in good drying conditions

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density		1.05 g/cm ³	
Diffusion-equivalent air layer thickness		0.3 m	V2 medium
Water permeability rate w	EN 1062-3	< 0.1 kg/(m ² h ^{0.5})	W3 low

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Water vapour diffusion-equivalent air layer thickness μ	3,500	
Gloss	G2 - 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, the transparent binder may become cloudy.

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 subsequent coatings, e.g. bubble formation, cracks, discolouration.

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. Depending on the application requirements, the product can be diluted with up to 30 % water. Protective effect, layer thicknesses, gloss level, and consumption values reduce as the degree of dilution increases.

Consumption

Type of application	Approx. consumption	
on StoSuperlit K 1.5, undiluted	350	g/m ²
on StoSuperlit K 1.5, with 30 % water*	190	g/m ²
on StoSuperlit K 0.8, undiluted	150	g/m ²
on StoSuperlit K 0.8, with 30 % water*	80	g/m ²

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on K 1.5 finishing render, undiluted	120	g/m ²
on K 1.5 finishing render, with 30 % water*	60	g/m ²
on Stolit Milano, undiluted	70	g/m ²
on Stolit Milano, with 30 % water*	50	g/m ²

* coverage in g/m² without water content

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

Coating build-up	StoProtect Transparent undiluted or diluted with up to 30 % water.
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	<p>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.</p> <p>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.</p> <p>The product dries physically, in that water evaporates. High humidity, low temperature and reduced air exchange prolong the drying time.</p> <p>At +20 °C temperature (air and substrate) and 65 % relative air humidity: over-coatable after approx. 24 hours.</p>
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Cleaning the tools	Clean with water after use. Collect cleaning water/rinsing water and dispose of it professionally.
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Delivery	
Colour shade	transparent

Packaging	Pail
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Storage	
Storage conditions	Store in tightly sealed original container in cool and frost-free conditions. Protect from direct sunlight.

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Storage life Provided the storage conditions are adhered to, the quality of the product in its unopened, original container is guaranteed until the maximum storage life has expired. The storage life can be deduced from the batch number of the container. Batch number explanation:
 Number 1 = the last number of year, numbers 2 + 3 = a calendar week
 example: 6450013223 – storage life until week 45 of 2026
 Use promptly after opening. Contamination, e.g. due to a soiled tool, can shorten the shelf-life.

Identification	
Product group	Sealing coat

Composition

In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings
 Polymer dispersion
 silicate extenders
 Water
 esters
 Glycol ether
 surface additive
 light stabiliser
 Thickener
 anti-foaming agents
 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.

Avoid release to the environment.

EUH210 Safety data sheet available on request.

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.

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These are preservatives.
Avoid contact with the skin and the eyes.

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.

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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