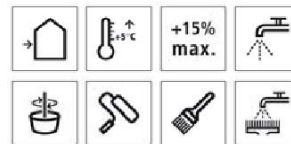


Technical Data Sheet

StoProtect

Transparent protective coating



Characteristics

Application exterior
 for coating of Sto natural stone render surfaces
 on sloping StoSuperlit surfaces with weathering, only with limited warranty
 not suitable on humid substrates or substrates with moisture underneath
 not suitable for surfaces subject to foot or vehicle traffic

Properties water-dilutable
 highly weather-resistant
 water vapour permeable
 contains a highly effective UV light protection combination

Appearance transparent, silk matt after drying

Information/notes without preventive protection against algae and fungal attack
 apply the transparent sealing only to dry substrates and under good drying conditions, in order to achieve best transparency

Technical data

Criterion	Standard / test regulation	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
Water vapour diffusion resistance factor μ		8,400	V2 medium
Gloss		mid sheen	measurement angle of 60°

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 Caution!
 Too damp substrates or humidity getting behind the sealing afterwards, by capillary intrusion or condensing humidity, blurs the clear binding agent and leads to damages in the entire substrate and coating procedure.

The substrate must be clean, dry, load-bearing, salt-free, UV-resistant and free from separating substances. Damp or not fully cured substrates can lead to

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defects in subsequent coats, such as blistering or cracks.

Preparations

Before the application, the creation of a project-related and characteristic sample surface area is highly recommended. The accepted sample surface area has to be retained as a reference surface for the ordered service or has to be documented accordingly.

Thoroughly clean old natural stone render substrates before coating and ensure efficient drying.

Application

Application temperature

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

Material preparation

Mix with slow running stirrer, in order to avoid bubble formation. With multiple coating, dilute primer and intermediate paint coat with up to 30% water.

Dilute one-time refurbishments and top paint coats with max. 15% water.

Consumption

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

The consumption of the material depends on the application method, substrate and consistency, amongst other factors. The stated consumption rate is only to be used as a guide. Where required, precise consumption values should be established on the respective project.

Coating procedure

With natural stone render K 2.0:

StoProtect

Application

Painting, Rollers

Apply evenly with roll, coating brush on the prepared substrate.

Drying, curing, reworking time

The surface has to be protected against weathering influences during the application and until dried through. During this phase, the transparent binder film is sensitive and might blur whitishly, due to the inclosure of moisture caused by the substrate or weather conditions, for instance.

Harmful weathering influences are, for instance, frost, rainfall or condensate, as well as forced drying by intense, direct solar radiation.

The product physically dries through evaporation of the water. When there is high humidity and/or low temperatures, the drying process will be delayed accordingly.

At +20°C temperature (air and substrate) and 65% relative air humidity, the next

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coat can be applied after approx. 24 hours.

Cleaning the tools Clean tools with water immediately after use.

Delivery

Colour shade Transparent, clear after drying Not tintable

Packaging Pail

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 stock by date can be deduced from the batch number of the package.
Batch number explanation:
Number 1 = the last number of year, numbers 2 + 3 = a week
I.e.: 1450013223 – stock date until the 45th week of the year 2011

Certificates / approvals

Identification

Product group Sealing

Composition In accordance with VdL directive (German Paint and Printing Ink Association):
Construction coating materials for buildings, Polymer dispersion, Water, Glycol ether, Aliphatics, Additive, Preservative

Security Please observe safety data sheet

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 with Sto AG. Where no approval is given, such applications are at the risk of the user. 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 at www.sto.com.



Technical Data Sheet

Sto Protect

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