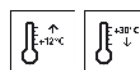


Technical Data Sheet

StoPox WL 150 transparent

EP water-based lacquer, transparent, low-emission



Characteristics

Application

- interior
- onto floor slabs
- mainly for cement-bound substrates
- magnesia and calcium sulphate coats in accordance with EN 13813
- as a transparent sealing for industrial flooring

Properties

- high abrasion resistance
- very good adhesion on EP coatings
- VOC - low on emissions

Appearance

- transparent
- silk matt

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811-2	1.03 - 1.09 g/cm ³	
Viscosity (at 23 °C)	EN ISO 3219	240 - 360 mPa.s	15% diluted with water
Taber abrasion	EN ISO 5470-1	12 mg	CS 10/1000U/1000g

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

Requirements on the substrate:
The substrate must be dry, load-bearing and free from characteristic or dissimilar separating substances.
Less solid layers and slurry accumulations must be removed.

Dry in accordance with the definition of the restoration guideline 2001-10, depending on the concrete quality, however.
The residual moisture may amount to max. 4 weight per cent in case of concrete qualities of up to C30/37 and max. 3 weight per cent in case of C35/45 concrete, measured with the CM device.

Substrate temperature greater than +12 °C and 3 K above dew point.
Average tensile strength 1.5 N/mm²

Technical Data Sheet

StoPox WL 150 transparent

Smallest individual tensile strength value is 1.0 N/mm²

Preparations

Substrate preparation:
Prepare the substrate employing a suitable mechanical process such as shot-blasting, milling and subsequent shot-blasting, or blasting with solid abrasives.

Application

Application temperature

Lowest application temperature: +12°C Max. permissible relative humidity 75%
Highest application temperature: +30°C Max. permissible relative humidity 85%

Processing time

At +12°C: approx. 60 minutes
At +20°C: approx. 45 minutes
At +30°C: approx. 30 minutes

Reworking time:
At +12°C: approx. 48 h
At +20°C: approx. 24 h
At +30°C: approx. 16 h

Mixing ratio

component A : component B = 100.0 : 33.3 parts by weight

Material preparation

Component A and Component B are supplied in the correct mixing ratio and mixed in accordance with the following instructions. Stir component A, then add all of component B.

Mix thoroughly with a slow-running stirrer (maximum 300 rpm) until a homogeneous, streak-free compound develops. It is also vital to thoroughly stir at the sides and bottom to ensure the hardener is uniformly distributed. Mixing time at least 3 minutes.

After mixing, pour the compound into a clean container and mix again.
Do not apply from the delivery container!

The temperature of the individual components must be at least +15°C when mixing.

Transfer the material into a clean container using a paint sieve and stir once again. Eliminate any lumps that occur during mixing.

Consumption

Type of application

Approx. consumption

as a sealing for each application cycle

0.13 - 0.15

kg/m²

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

Transparent sealing on StoPox coatings with chips, e.g. StoPox WL 100, StoPox WB 100, StoPox BB OS.

1. StoPox WL 150 transparent sealing
2. StoDivers P 105 / StoDivers P 120 care treatment (optional)

Technical Data Sheet

StoPox WL 150 transparent

Transparent sealing of mineral substrates.

1. Surface preparation
2. Priming coat with StoPox WL 150 transparent
3. StoPox WL 150 transparent sealing
4. Care treatment with StoDivers P 105 / StoDivers P 120 (optional)

Application

Transparent, silk matt sealing on StoPox coatings with chips, e.g. StoPox WL 100, StoPox WB 100, StoPox BB OS

1. Sealing

Dilute StoPox WL 150 transparent with approx. 15% water and apply with a nylon roller (Sto-Varnish Roller Nylon RS 13 or Sto Large Surface Roller Nylon RS 13, Sto-Tool Catalogue) in a criss-cross pattern. 1 to 2 application cycles may be required.

Consumption: approx. 0.13 - 0.15 kg/m² per application cycle

We recommend laying StoPox WL 150 transparent with a 25 cm roll followed by subsequent rolling crosswise with a 50 cm large surface roller.

For larger, geometrically simple surfaces, the best result is achieved with the following application method: Pour a narrow strip of the material on to the ground and distribute by pulling it slowly with a rubber squeegee (2 mm tothing, Sto-Tool Catalogue). Then, smooth over with a nylon roller (Sto-Varnish Roller Nylon RS 13 or Sto-Large Surface Roller Nylon RS 13, Sto-Tool Catalogue) transverse to the pulling direction. Finally, with the aid of nail shoes, roll again in the pulling direction using the Sto-Large Surface Roller Nylon RS 13. Roller marks and overlapping are largely avoided if this method of application is used.

2. Care StoDivers P 105 / StoDivers P 120 (optional)

Apply a thin layer of care treatment equally to the clean and cured industrial flooring. Apply material using a pre-dampened mop. Leave the floor to dry sufficiently, approx. 20-30 min.

The second application is carried out across the previous application cycle.

It is essential that drying times between application cycles are adhered to.

Depending on the expected stress, several application cycles may be necessary.

Consumption: approx. 30-50 ml/m² per application cycle

Please observe: direct solar radiation, high temperatures and draughts during application should be avoided.

Transparent sealing of mineral substrates.

1. Surface preparation

2) Priming coat

Dilute StoPox WL 150 transparent with approx. 30% water and apply with a nylon roller (Sto-Varnish Roller Nylon RS 13 or Sto Large Surface Roller Nylon RS 13, Sto-Tool Catalogue) and evenly spread. Avoid puddles.

Consumption: approx. 0.13 - 0.15 kg/m², depending on the roughness and absorption capacity of the substrate.

3. Sealing

Dilute StoPox WL 150 transparent with approx. 15% water and apply with a nylon roller (Sto-Varnish Roller Nylon RS 13 or Sto Large Surface Roller Nylon RS 13, Sto-Tool Catalogue) in a criss-cross pattern. 1 to 2 application cycles may be

Technical Data Sheet

StoPox WL 150 transparent

required.

Consumption: approx. 0.13 - 0.15 kg/m² per application cycle

We recommend laying StoPox WL 150 transparent with a 25 cm roll followed by subsequent rolling crosswise with a 50 cm large surface roller.

4. StoDivers P 105 / StoDivers P 120 care treatment (optional) Apply a thin layer of care treatment evenly to the clean and cured industrial flooring. Apply material using a pre-dampened mop. Leave the floor to dry sufficiently, approx. 20 - 30 min.

The second application is carried out across the previous application cycle. It is essential that drying times between application cycles are adhered to. Depending on the expected stress, several application cycles may be necessary.

Consumption: approx. 30-50 ml/m² per application cycle

Please observe: direct solar radiation, high temperatures and draughts during application should be avoided.

Notes:

Ensure sufficient ventilation when applying water-based coating systems. Draughts should, however, be avoided. Different material application, too high humidity, and too low temperatures (<(><<>> +12°C) can lead to impairments in appearance.

The layer thickness for sealants is normally < 0.5 mm and decreases as a result of mechanical use. This should be taken into account with regard required service life.

If mineral substrates are to be sealed, a test surface must be created in advance to assess the appearance and material consumption.

Despite high yellowing stability, a change in colour shade due to UV stress must be expected.

The material must be applied evenly when sealing. The use of a rolling grid when poured into another container is recommended.

If StoPox WL 150 transparent is provided with care treatment the gloss level of the floor increases.

Roller marks cannot be completely ruled out when sealing due to manual application.

Cleaning the tools Clean tools with water immediately after use.

Indications, recommendations, special information, miscellaneous General application instructions can be found at www.stocretec.de (Products) and in the appendix of the current manual "Technical Data Sheets"

Delivery

Colour shade colourless

Article number

Designation

Container

Technical Data Sheet

StoPox WL 150 transparent

08043/001

StoPox WL 150 Set
transparent

8 kg set

Storage

Storage conditions Store in dry and frost-free conditions; avoid direct sunlight.

Storage life In the original container until ... (see packaging).

Certificates / approvals

Identification

Product group EP resin

Safety

This product is subject to compulsory designation under EU law. You will receive an EU Health & Safety Data Sheet with your first order. Please observe the information regarding the handling of the product, its storage and disposal.
Practical guide for dealing with epoxy resins: "Sicherer Umgang mit Epoxidharzen in der Bauwirtschaft" (Safely dealing with epoxy resins in the construction industry).
And
Test report on the protective action of chemical protective gloves against EP coatings: "Handschuhe für lösemittelfreie Epoxidharz-Systeme" (Gloves for solvent-free epoxy resin systems) and "Schutzhandschuhe: Richtig anwenden" (Protective gloves: Correct use)
www.gisbau.de/service/epoxi/Bericht.pdf

Published by:
Berufsgenossenschaft der Bauwirtschaft
Hildegardstrasse 28-30, 10715 DE-Berlin
Tel. (+49) 30 85781-0, fax. (+49) 30 85781-500 , www.gisbau.de/service

Guidelines for the planning of building site facilities: "Wirtschaftliche and sichere Baustelleneinrichtung"
(Economic and safe building site facilities)
Published by:
Geschäftsstelle der Initiative Neue Qualität der Arbeit (INQA)
Friedrich-Henkel-Weg 1-25, 44149 DE-Dortmund
Tel. (+49) 231 9071-2171, fax. (+49) 231 9071-2170
www.inqa.de/ unter Themen/Bauwirtschaft/Wissen and www.inqa-bauen.de

Special instructions

The information or data 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.

Technical Data Sheet

StoPox WL 150 transparent

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
Fax: +49 6192 401-105
stocretec@sto.com
www.stocretec.de