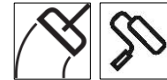


Technical Data Sheet

StoPox WL 100 Transparent

Water-based, transparent epoxy sealing coat



Characteristics

- Area of application**
- For interior floor surfaces
 - Mainly for mineral substrates
 - For magnesite and calcium sulphate screeds
 - Transparent finish sealing on industrial floors
 - Not suitable for areas with high mechanical stress

- Properties**
- High abrasion resistance
 - Very good substrate wetting
 - Mechanically resistant

- Appearance**
- Glossy

Technical Data

| Data | Criteria | Standard / Test Specification | Value / Unit | Notes |
|------|----------------------|-------------------------------|------------------------|------------------------|
| | Density | EN ISO 2811-2 | 1.06 g/cm ³ | |
| | Viscosity (at 23 °C) | EN ISO 3219 | 2900 mPa.s | 15% diluted with water |
| | Taber abrasion | ASTM D4060 | 23 mg | CS 10/1000U/1000g |
| | Scratch resistance | Engraving point 1 – Bosch | 4.5 N | |

The values stated are average values. Due to the use of natural raw material in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

Application

- Substrate preparation**
- The substrate must be sound, dry, load bearing and free of foreign substances with separating effect. If necessary, the substrate should be prepared mechanically by ball blasting, milling or diamond grinding.
- The maximum moisture content of the substrate should not exceed 4% by weight measured with the CM-device. The pull off strength of the pre-treated substrate should be greater than 1.5N/mm².

Substrate temperature must be > 12°C and 3 K above dew point.

- Material preparation**
- Stir the individual components of StoPox WL 100 transparent thoroughly.
- Pour both components into a mixing vessel and mix for min 3 minutes using a slow speed drill and paddle until a homogeneous compound is obtained.

Transfer the content to a clean container and re-mix. Use the product as quickly as possible after mixing.

The temperature of each component must be min. 15°C during mixing.

Technical Data Sheet

StoPox WL 100 Transparent

Application

Coating procedure

1. Transparent sealing coat on chip-scattered StoPox coatings e.g. StoPox WL 100, StoPox WB 100, StoPox BB OS

Finish sealing coat

StoPox WL 100 transparent is applied diluted with 15 - 20% of water depending on temperature.

Apply evenly in 1 – 2 coats using a short-pile roller.

Consumption: approx. 0.10 – 0.20 kg/m² per coat.

Care coat (optional)

Apply StoDivers P 105 / StoDivers P 120 thinly and evenly on to the cleaned and hardened floor surface using a pre-moistened wipe mop or by machine in high speed method. Allow floor to dry adequately for approx. 20 - 30 mins.

The second coat is applied at right-angles to the previous coat. The drying times between the coats must be observed under all circumstances. Depending on expected wear, multiple coats may be necessary.

Consumption: approx. 30 - 50 ml/m² per coat

Note : Exposure to direct sunlight, high temperatures and draughts should be avoided during application

2. Transparent sealing of mineral substrates

Priming coat

As a priming coat, StoPox WL 100 transparent can be diluted with 20 - 30% of water depending on absorbency of substrate.

Apply evenly using a short-pile roller or rubber spreader.

Consumption: 0.20 – 0.30 kg/m², depending on the absorbency of the substrate.

Finish sealing coat

StoPox WL 100 transparent is applied diluted with 15 - 20% of water depending on temperature.

Apply evenly in 1 – 2 coats using a short-pile roller.

Consumption: approx. 0.10 – 0.20 kg/m² per coat.

Care coat (optional)

Apply StoDivers P 105 / StoDivers P 120 thinly and evenly on to the cleaned and hardened floor surface using a pre-moistened wipe mop or by machine in high speed method. Allow floor to dry adequately for approx. 20 - 30 mins.

The second coat is applied at right-angles to the previous coat. The drying times between the coats must be observed under all circumstances. Depending on expected wear, multiple coats may be necessary.

Consumption: approx. 30 - 50 ml/m² per coat

Technical Data Sheet

StoPox WL 100 Transparent

| | |
|--------------------------------------|---|
| Coating procedure (continued) | <p>Note:</p> <ol style="list-style-type: none"> 1. Exposure to direct sunlight, high temperatures and draughts should be avoided during application. 2. In the application of aqueous coating system, sufficient air exchange must be ensured. Draughts should, however, be avoided. Varying material application, too high air humidity and low temperatures can lead to optical impairments. 3. The thickness for sealing coats is as a rule < 0.5 mm and reduces as a consequence of mechanical wear. This should be considered with respect to the desired utilization life. 4. Despite high yellowing stability, colour changes as a consequence of exposure to UV light should be expected. 5. Application of the sealing coats must be uniform. Hence we recommend to use a scraping grid in the re-potting pail. |
| Working life | <p>12°C approx. 60 mins 23°C approx. 45 mins 30°C approx. 30 mins</p> |
| Consumption | The coverage rate is approximately 0.1-0.2kg/m ² . |
| Application temperature | <p>Minimum application temperature +12°C Maximum application temperature +45°C</p> |
| Cleaning the tools | Tools must be cleaned immediately after use with clean water. |
| Delivery | |
| Colour | Milky cloudy (wet), Transparent (dry) |
| Packing | StoPox WL 100 transparent is available in 8 kg set. |
| Storage | |
| Storage life/conditions | The shelf life of StoPox WL 100 transparent is approximately 12 months when stored in cool dry conditions. |
| Special Notes | |
| Safety precautions | <p>After full curing, StoPox WL 100 transparent is physiologically harmless. Keep the material away from eyes, mouth and skin. Do not inhale vapour. Protective gloves should be used when handling this product. If skin contact with resin occurs, cleaned immediately with soap and plenty of water.</p> <p>DO NOT use solvent. The use of goggles is recommended, however, should accidental eye contamination occur, rinse thoroughly with plenty of clean running water and seek medical treatment immediately.</p> |
| Technical Support | Please consult Sto Technical Service Department or the local sales office for further information and any site assistance required |

Technical Data Sheet

StoPox WL 100 Transparent

Special Notes

Disclaimer

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.

Sto SEA Pte Ltd
159 Sin Ming Road
#06-02 Amtech Building
Singapore 575625
Phone: +65 6453 3080
Fax : +65 6453 3543
info.sg@sto.com
www.sto-sea.com

Sto SEA Sdn Bhd
28, Jalan Rajawali 3
Bandar Puchong Jaya,
47170 Selangor, Malaysia
Phone: +60 3 8080 9066
Fax: +60 3 8080 9255
info.my@sto.com
www.sto-sea.com

Sto SEA Pte Ltd
3656/49-52 Green Tower, 16th Floor
Rama IV Rd, Klongton, Klongtoei,
10110 Bangkok, Thailand
Phone: +66 2 1684 921 Ext. 230
Fax: +66 2 1684 999
info.sg@sto.com
www.sto-sea.com

StoCretec GmbH
Gutenbergstr. 6
65830 Kriftel,
Germany
Phone: +49 6192 401 104
Fax: +49 6192 401 105
info.sg@sto.com
www.sto-sea.com

*Product images may differ from the actual product.