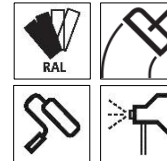


Technical Data Sheet

StoPox WL 100

Two-components, aqueous epoxy resin coating



Characteristics

- Functionality**
- Resistant to alkalis, mineral oils, greases and fuels
 - Water vapour permeable (SD- value water vapour < 5m)
 - Very good adhesion to substrates
 - Ease of application
 - Low odour, environmentally friendly

Optics Glossy

Application Apply by roller, rubber spreader or airless spray

Area of Use

- Warehouse
- Garages
- Industrial floors
- Car parks
- For areas where normal solvent containing coatings would not be desirable

Technical Data

Data	Criteria	Test Standard	Value	Unit
	Mixing ratio A : B		5 : 1	pbw
	Density @ 23°C	EN ISO 2811-2	1.40	g/cm ³
	Solids Content		69	%
	Viscosity @ 23°C	DIN 53018-1	2400 - 3600	mPas
	Pull-off Strength	TP OS	> 1.5	N/mm ²

The values stated are average values. Due to the use of natural raw materials 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 1.5 N/mm².

Substrate temperature must be > 10°C and 3 K above dew point.

Material Preparation

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

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Application

Coating Procedure

1. For industrial flooring with light mechanical wear :

Priming Coat: StoPox WL 100

Priming coat with StoPox WL 100, diluted up to 20% with clean water, depending on substrate and application conditions.

Consumption: Approx. 0.15 – 0.25 kg/m²

Sealing coat

Sealing coat with StoPox WL 100, diluted up to 10% with clean water.

Apply the material evenly using a short pile roller or airless spray. Using a bucket grid in the repotting container is recommended.

Consumption: Approx. 0.15 – 0.25 kg/m² per coat. Depending on colour tone and substrate conditions, several coats may be needed to get a homogeneous covering.

Matt Sealing (Optional)

To achieve a matt finish, apply a sealing coat of StoPox WL 150 Transparent, diluted up to 15% with clean water.

Apply with a nylon roller (hair length approx. 13 – 14 mm) in 1 – 2 coats.

It is recommended to apply the first coat of StoPox WL 150 Transparent with a 25 cm (width) roller and subsequently finished crosswise with 50 cm (width) roller.

Consumption: Approx. 0.13 – 0.15 kg/m².

Care coat (Optional)

Apply StoDivers P 105 / StoDivers P 120 thinly and evenly to the clean and hardened floor surface using a pre-moistened wipe mop.

Allow floor to dry sufficiently for approx. 20 - 30 min.

The second coat is applied at right angle to the previous coat. The drying times between coats must be observed under all circumstances.

Depending on expected wear, multiple applications may be required.

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

2. For underground carpark driveway with medium mechanical wear :

Priming Coat

Priming coat with StoPox WG 100 diluted approx. 10% with water depending on substrate and application conditions.

Apply with a rubber spreader and distribute evenly by rolling / brushing down.

Consumption: Approx. 0.15 – 0.25 kg/m², depending on substrate roughness.

Equalisation leveller

StoPox WG 100, undiluted filled 1: 0.5 to 1: 0.8 parts by weight with Sto Filler 60/100 spread with a toothed rubber track and sharply screeded with a steel trowel. Over coating when used as levelling layer: after approx. 8 - 10 hrs at 20°C

Consumption of ready filled mixture: Approx. 1.5 kg/m²/mm coating thickness.

Consumption of StoPox WG 100: approx. 0.8 - 1.0 kg/m²/mm coating thickness

Sealing coat

Sealing coat with StoPox WL 100, diluted up to 10% with clean water.

Apply the material evenly using a short pile roller or airless spray. Using a bucket grid in the repotting container is recommended.

Consumption: Approx. 0.15 – 0.25 kg/m² per coat.

Depending on colour tone and substrate conditions, several coats may be needed to get a homogeneous covering.

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Application

Coating Procedure (continued)

Note :

1. Not suitable for areas subject to high mechanical stress.
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 (< 10 °C) can lead to optical impairments (varying gloss)
3. Depending on chemical load, optical discolouration may appear, which however, do not impair the technical function of the coating.
4. 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 duration of utilisation.
5. When apply for external use, surface yellowing and chalking may be expected.
6. StoPox WL 100 has no crack bridging properties.

Working Life	10 °C	approx. 3 hours
	20 °C	approx. 1.5 hours
	30 °C	approx. 1 hour

Overcoating Time	10 °C	approx. 24 hours
	20 °C	approx. 16 hours
	30 °C	approx. 12 hours

Consumption	The coverage rate is approximately 150 – 250 g/m ² .
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Application Temperature	Minimum application temperature + 10 °C Maximum application temperature + 45 °C
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Cleaning Tools	Tools must be cleaned immediately after use with clean water.
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Delivery

Colour	Sto standard RAL colour range
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Packing	StoPox WL 100 is available in 12 kg set.
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Storage

Storage life / conditions	The shelf life of StoPox WL 100 is approximately 12 months if stored in cool dry conditions.
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Special Notes

Safety Precautions	After full curing, StoPox WL 100 is physiologically harmless. Keep the resin and hardener away from eyes, mouth and skin. Do not inhale vapour. Protective gloves should be used when handling these products. If skin contact with resin occurs, cleaned immediately with soap and plenty of water. 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.
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Technical Support	Please consult Sto Technical Service Department or the local sales office for further information and any site assistance required.
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StoPox WL 100

Special Notes

Disclaimer

Sto Products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions. Whilst efforts are made to ensure that any advice, recommendation, specification or information Sto SEA may give is accurate and correct, it cannot accept any liability either directly or indirectly arising from the use of its products as it has no direct or continuous control over where or how the products are applied, whether or not in accordance with any advice, specifications, recommendation or information given by it.

If any product fails to conform, Sto SEA will replace the product at no cost to the buyer. Replacement of any products shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.

Any warranty claim must be made within six months from the date of the claimed breach. Buyers shall be solely responsible for determining the suitability of products for their intended use.

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