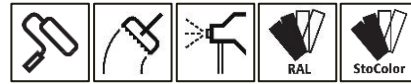


Technical Data Sheet

StoPox WL 100 Anti-Skid

Two-components, aqueous epoxy resin coating, slip resistant



Characteristics

- Area of application**
- For interior application
 - On cementitious floor substrates
 - As a coloured sealing coat for industrial and traffic areas. e.g. warehouses, car parks
 - For areas where normal solvent containing coatings would not be desirable
 - For areas subjected to rising dampness

- Properties**
- Slip-resistant with integrated fillers
 - Very good adhesion to substrate
 - Water vapour permeable

- Appearance**
- Semi-gloss

- Information / notes**
- Product is in accordance with EN 1504-2

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Density	EN ISO 2811	1.39 - 1.47 g/cm ³	
Adhesion strength	ASTM D7234	>1.5 N/mm ²	
Viscosity	EN ISO 3219	2,400 – 3,600 mPa.s	
Solids content		68% - 72%	

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**
- The substrate must be sound, dry, load bearing and free from native and foreign substances that have a separating effect. Remove less strong layers and laitance. The maximum moisture content of the substrate should not exceed 4% by weight measured with the CM device.
- Substrate temperature greater than +8°C and 3 K above dew point.
- Average adhesion strength >1.5 N/mm². Adhesion strength of the single smallest value 1.0 N/mm²

- Preparations**
- Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting.

Application

- Application temperature**
- Lowest application temperature: +10 °C
 Max. approved relative humidity: 75 %
 Highest application temperature: +30 °C
 Max. approved relative humidity: 85 %

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Time for application	At +10°C : approx. 180 minutes At +20°C : approx. 90 minutes At +30°C : approx. 60 minutes	
Mixing ratio	Component A : Component B = 100 : 19.20 parts by weight	
Material preparation	<p>Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.</p> <p>Stir and agitate settlement in Component A with a trowel, then add all of Component B. Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops.</p> <p>It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time at least 3 minutes.</p> <p>Do not apply from the delivery container!</p> <p>After mixing, transfer the material into a clean container and stir it thoroughly once again. The temperature of the individual components must be min. +15°C when mixing.</p>	
Consumption	Type of application	Approx. consumption
	The coverage rate	0.15 – 0.25 kg/m ²
<p>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.</p>		
Coating build-up	<p>For industrial / carpark flooring with medium mechanical wear</p> <ol style="list-style-type: none"> 1) Substrate preparation 2) Prime coating of StoPox WL 100 Anti-Skid 3) Scratch coat (optional, e.g. roughness > 0.5 mm) 4) Sealing Coat of StoPox WL 100 Anti-Skid 5) Care treatment using StoDivers P 105 / StoDivers P 120 (optional) 	
Application	<ol style="list-style-type: none"> 1) Substrate preparation 2) Prime coating <ul style="list-style-type: none"> <u>Roughness depth < 0.5 mm</u> Priming coat with StoPox WL 100 anti-skid diluted up to 20% with clean water, depending on substrate and application conditions. Apply with a rubber squeegee and distribute evenly by rolling down to ensure complete sealing of all substrate pores. Consumption: approx. 0.15 – 0.25 kg/m² <u>Roughness depth > 0.5 mm</u> Priming coat with StoPox WG 100 diluted approx. 10% with water depending on substrate and application conditions. Apply with a rubber squeegee and distribute evenly by rolling / brushing down. Consumption: approx. 0.15 – 0.25 kg/m², depending on substrate roughness. 3) Scratch coat (optional, e.g. roughness > 0.5 mm) <ul style="list-style-type: none"> For very rough substrate, StoPox WG 100 undiluted filled 1: 0.5 to 1: 0.8 parts by weight with Sto Filler 60/100 spread with a smoothing trowel and sharply screeded with a steel trowel. Over coating when used as levelling layer: after approx. 6 - 8 hrs at 30°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 Consumption of Sto Filler 60/100: approx. 0.5 – 0.7 kg/m²/mm coating thickness 	

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- 4) Sealing coat
 Sealing coat with StoPox WL 100 anti-skid, diluted up to 10% with clean water. Apply the material evenly using a short pile roller.
 Consumption: Approx. 0.15 – 0.25 kg/m² per coat.
 Note: Depending on colour tone and substrate conditions, several coats may be needed to get a homogeneous covering.
- 5) Care treatment
 When the industrial flooring is clean and has cured, evenly apply a thin layer of care treatment of StoDivers P 105 or StoDivers P 120.
 Apply the material using a pre-dampened, lint-free mop.
 Leave the floor to dry sufficiently, approx. 20 - 30 min.
 Carry out the second application cycle at right angles (perpendicular) to the previous application. It is very important to observe the specified drying times between application cycles.
 Depending on the expected stress, several application cycles may be necessary.
 Consumption: approx. 0.02 – 0.05 lit/m² per application cycle

Notes:

- Not suitable for areas subject to high mechanical stress
- Ensure sufficient ventilation when applying water-based coating systems. However, avoid different layer thickness, draughts, high humidity and too low temperatures (< 10°C) that can lead to visual defects.
- Depending on chemical load, optical discolouration may appear, which however do not impair the technical function of the coating.
- Depending on use and stress, slip resistant property will reduce. Therefore, sealing must be renewed.
- The layer thickness of sealing coats is normally < 0.5 mm and reduces as a consequence of mechanical wear. This should be considered with regard to the required service life.
- When applied for external use, surface yellowing and chalking may be expected. A layer of UV resistance top coat such as StoPur TC UV or StoPur PAC is recommended.
- StoPox WL 100 has no crack bridging properties.
- If applying StoPox WL 100 to old or new epoxy coatings, sand down thoroughly with a single-disc machine equipped with a black pad. Failing to do so may result in wetting issues. Roller marks might be visible due to manual application.

Drying, curing, ready for next coat	Reworking time : At +10°C : approx. 24 hours At +20°C : approx. 16 hours At +30°C : approx. 12 hours
Cleaning the tools	Tools must be cleaned immediately after use with clean water.
Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.

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StoPox WL 100 Anti-Skid

Delivery

Colour Basic range (PG 11)
Special range (PG 12)

Packaging	Name	Packing
	StoPox WL 100 Anti-Skid	12.4 kg set

Storage

Storage conditions Store in cool dry conditions; avoid direct sunlight.

Storage life This product has a shelf life of 12 months from the manufacturing date.

Identification

Product group Floor and Wall Coatings

Safety Please refer to Safety Data Sheet.

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 www.sto-sea.com.

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*Product images may differ from the actual product.