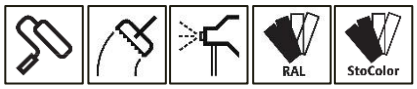
.

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

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Criteria	Standard / test specification	Value / Unit	Notes
Density	EN ISO 2811	1.39 - 1.47 g/cm³	
Adhesion strength	ASTM D7234	>1.5 N/mm²	
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 or diamond grinding.

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 : 18.50 parts by weight

Material preparation

Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.

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.

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.

Do not apply from the delivery container!

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.

Ensure consistent mixing before application.

Consumption

Type of application	Approx. consumption
The coverage rate	0.15 – 0.20 kg/m^2

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.

Coating build-up

For economical flooring

1) Substrate preparation
2) Prime coating of StoPox WL 100 Anti Skid
3) Sealing Coat of StoPox WL 100 Anti-Skid

For industrial / carpark flooring with medium mechanical wear

1) Substrate preparation
2) Prime coating of StoPox WG 100
3) Scratch coat (optional, e.g. roughness > 0.5 mm)
4) Sealing Coat of StoPox WL 100 Anti-Skid, with minimum 2 coats

Application

For economical flooring

1) Substrate preparation

2) Prime coating
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

3) 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. Ensure consistent mixing before application.

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For industrial / carpark flooring with medium mechanical wear

1) Substrate preparation

2) Prime coating
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)
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

4) Sealing coat (minimum 2 coats)
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. Ensure consistent mixing before application.

Notes:

1. Not suitable for areas subject to high mechanical stress
2. 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.
3. Depending on chemical load, optical discolouration may appear, which however do not impair the technical function of the coating.
4. Depending on use and stress, slip resistant property will reduce. Therefore, sealing must be renewed.
5. 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.
6. 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.
7. StoPox WL 100 has no crack bridging properties.
8. 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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Delivery			
Colour	Basic range (PG 11) Special range (PG 12)		
Packaging	**Article No.**	**Name**	**Packing**
	53000/421	StoPox WL 100 Anti-Skid	12.8 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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