Technical Data Sheet

StoPox WG 100 tinted

EP primer, water-based

Characteristics

Area of application

- interior and exposed to the weather
- on floors
- for cementitious substrates such as concrete or screed surfaces
- magnesite and calcium sulphate screeds
- as a coloured priming coat and levelling coat under water-based StoPox EP coatings and sealing coats
- adhesion promoter onto smooth mineral substrates
- adhesion promoter onto existing coatings based on EP/PUR resin (create a test surface)

Properties

- very good adhesive bond on mineral substrates
- water vapour permeable
- rapid curing at ambient room temperature
- can be filled with quartz sand on-site
- low in VOC emissions

Appearance

- matt
- coloured

Information/notes

- product is in accordance with EN 1504-2
- product is in accordance with EN 13813

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength	EN 1542	> 2,0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	800 - 1.250 mPa.s	mixture
Density (mixture 23 °C)	EN ISO 2811	1,44 - 1,53 g/cm³	
Water vapour permeability class	EN ISO 7783	Class I (high)	

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	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 dry, load-bearing, and free from native and foreign release agents. Remove less strong layers and laitance. Dry or damp in accordance with the definition in the DAfStb (German) Repair Guideline 2001-10. Substrate temperature higher than +8 °C and 3 K above dew point. Average bond strength: 1.5 N/mm² Bond strength, lowest single value: 1.0 N/mm² Special expert knowledge is required for assessing magnesite and calcium sulphate screeds.
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: +8 °C highest application temperature: +25 °C max. approved relative humidity: 85 %
Time for application	At +10 °C: approx. 60 minutes At +20 °C: approx. 45 minutes At +25°C: approx. 30 minutes
Mixing ratio	Component A : component B = 100.0 : 20.0 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 component A, 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 is at least 3 minutes. After mixing, pour the compound into a clean container and mix again.

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Do not apply from the delivery container!

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

Consumption

Type of application	Approx. consumption	
Mixed material as primer	0,30 - 0,50	kg/m²
Mixed material as levelling filler coating	1,5 - 2,0	kg/m²

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

Industrial floor coating for light mechanical stress, water vapour permeable

1) Substrate preparation
2) Prime coating of StoPox WG 100 getönt
3) Levelling filler coating of StoPox WG 100 getönt, filled (for roughness depths > 0.5 mm).
4. Sealing coat of StoPox WL 100, StoPox WL 200, or StoPox MS 200

Application

Industrial floor coating for light mechanical stress, water vapour permeable.

1) Substrate preparation

2) Prime coating, coloured
StoPox WG 100 getönt can be diluted with up to 20 % water depending on the substrate and application conditions. Apply it using a rubber squeegee and then spread it evenly by rolling/brushing.

Material consumption: approx. 0.3 - 0.5 kg/m², depending on the absorption capacity of the substrate.

3) Levelling filler coating, coloured
Fill StoPox WG 100 getönt between approx 1 : 0.5 and 1 : 0.8 parts by weight with StoQuarz 0.1 - 0.5 mm. Pour the mixed material onto the floor and distribute it using a smoothing trowel or finishing spatula.

Consumption of mixed material: approx. 1.5 kg/m² and mm of layer thickness
Consumption of StoPox WG 100 getönt: approx. 0.8 - 1.0 kg/m² and mm of layer thickness
Over-coatable if used as filler: after approx. 8 - 10 hours at +20 °C

4. Sealing coat of StoPox WL 100, StoPox WL 200, or StoPox MS 200
StoPox WL 100 and WL 200 can be diluted with up to 10 % water. Do not dilute StoPox MS 200.
Apply using a nylon roller, 13 mm (Sto-Varnish Roller Nylon RS13, Sto tool catalogue)
Apply the material evenly. Using a paint grid in the application container is recommended. StoPox WL 100 can be sprayed using the airless spray method. Please contact our Technical Info Center (Tel. +49 6192-401104) with regard to this type of application.
Consumption: approx. 0.15 - 0.25 kg/m² per application cycle
In order to achieve sufficient hiding power, several application cycles of StoPox WL 100/200 or StoPox MS 200 may be necessary, depending on the colour shade and substrate.

5) Floor finish using StoDivers P 105/StoDivers P 120 (optional)
When the industrial flooring is clean and has cured, evenly apply a thin layer of floor finish. Apply the material using a pre-dampened 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. 30 - 50 ml/m² per application cycle
Avoid direct sunlight, high temperatures, and draughts during application. (See cleaning and care instructions)

Note:
Not suitable for areas subject to high mechanical stress.
Ensure sufficient ventilation when applying water-based coating systems. However, avoid draughts. Different layer thicknesses, too high humidity, and too low temperatures can lead to visual defects (differences in the gloss levels).
Depending on the exposure to chemicals, discolourations can occur. These do not, however, impair the technical function of the coating.
The layer thickness of sealing coats is normally < 0.5 mm and decreases as a result of mechanical use. This should be taken into account with regard to the required service life.
If the product is used in exteriors, the surface may yellow and chalk due to the material.

Avoid direct sunlight, high temperatures, and lack of humidity, because these result in curing too quickly (skin formation/seams/visible squeegee marks).

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Drying, curing, ready for next coat	Over-coatable as prime coating with water-based epoxy resins: At +10°C: approx. 16 h At +20°C: approx. 4 h At +25°C: approx. 2 h
Cleaning the tools	Clean with water after use. Collect cleaning water/rinsing water and dispose of it professionally.
Notes, recommendations, special information, miscellaneous	The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter The abrasion resistance class specified in the CE marking refers to the smooth, not scattered covering. General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

Delivery

Packaging pail and tin

	Article number	Name	Container
	08748/002	StoPox WG 100 Set tinted	30 kg set
	08748/001	StoPox WG 100 Set tinted	12 kg set

Storage

Storage conditions	Store in dry and frost-free conditions. Avoid direct sunlight.
Storage life	In the original container until ... (see packaging).

Identification

Product group	Primer
GISCODE	RE30
Safety	This product is subject to compulsory labelling in accordance with the current EU regulation. You will receive an EU Safety Data Sheet with your first order. Please observe the information regarding the handling of the product, its storage, and disposal.

Handling epoxy resins: “Praxisleitfaden für den Umgang mit Epoxidharzen”, (Practical guide for handling epoxy resins) and
test report: “Prüfbericht zur Schutzwirkung von acht Chemikalienschutzhandschuhen gegenüber EP-Beschichtungen” (Test report on the protective effect of eight chemical protective gloves against EP coatings),
Gloves: “Handschuhe für den Umgang mit lösemittelfreien Epoxidharzen” (Gloves for handling solvent-free epoxy resins), and
Protective gloves: “Die richtige Anwendung von Schutzhandschuhen” (The correct use of protective gloves)
Https://www.bgbau.de/themen/sicherheit-und-gesundheit/gefahrstoffe/umgang-mit-epoxidharzen/

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Guidelines for the planning of building site facilities: "Wirtschaftliche and sichere Baustelleneinrichtung"

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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 the Internet.

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