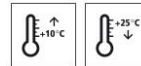


Technical Data Sheet

StoPox SP 250

EP coating, non-sag



Characteristics

- Area of application**
- interior
 - exposed to the weather
 - application: horizontal, vertical, overhead
 - for concrete

- Properties**
- resistant to sulphuric acid: exposure classes XWW1, XWW2, and XWW3 in accordance with DIN 19573:2016-03
 - resistant to biogenic sulphuric acid: exposure classes XWW4 in accordance with DIN 19573:2016-03
 - very good non-sag properties
 - application: with a roller sleeve, with a plastering trowel, with an airless sprayer

- Appearance**
- gloss

- Information/notes**
- product is in accordance with EN 1504-2
 - the system build-ups are resistant to rising damp when used in frost-protected interiors EN 13578:2004-03

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength	EN 1542	> 2,0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	4.800 - 7.200 mPa.s	mixture
Shore hardness type D	DIN 53505-D/EN ISO 868	76 - 82	
Density (mixture 23 °C)	EN ISO 2811	1,46 - 1,55 g/cm ³	

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**
- General:
- Dry, load-bearing

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- Free from separating, native, or foreign substances
- Remove weak layers.
- Remove any accumulation of fine concrete particles on the surface.

Dry substrate:

- Dry in accordance with the definition in EN 1504-10.

Substrate temperature: at least +10 °C, 3 K above the dew point

Bond strength, average: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

Preparations

Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

Example:

- Shot-blasting
- Milling followed by shot-blasting
- Abrasive blasting

Application

Application temperature

Application temperature, humidity:

minimum temperature: +10 °C, relative humidity: maximum 75 %

maximum temperature: +25 °C, relative humidity: maximum 85 %

Time for application

At +10 °C: approx. 45 minutes

At +20 °C: approx. 25 minutes

Mixing ratio

component A : component B

A : B

100.0 : 23.5 parts by weight

Material preparation

Notes:

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

- Observe the order of the "Preparing material" steps.

- The material temperature is between +15 °C and +25 °C.

- The temperature of all components is between +15 °C and +25 °C.

Mixing time:

- The length of the mixing time depends on the temperature of the material and the ambient temperature.

- Mix each container for the same length of time.

Possible consequences if mixing times are too long or too short:

- Mixing the product too long will shorten the time for application.

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Preparing the material:

- 1) Stir component A.
- 2) Add all of component B.
- 3) Mix the components until the hardener is well distributed, the mixture is homogeneous, and a streak-free mass is produced.
Paddle mixer: slow running mixer, max. 300 rpm
Mixing time: at least 3 minutes
- 4) Ensure that the mixing equipment covers the bottom and the rim areas of the mixing container. The hardener must be evenly distributed.
- 5) Transfer the mixture to a clean container. Mix the components again.

Consumption	Type of application	Approx. consumption	
	as coating per layer, depending on the substrate	0,6 - 0,8	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	A: EP filler and levelling coat for pores and blow-holes
	<ol style="list-style-type: none"> 1) Prepare the substrate. 2) Primer: StoPox 452 EP 3) Fill pores and blow-holes: StoPox 452 EP mixed with StoQuarz 0.1–0.2 mm or StoQuarz 0.1-0.5 mm 4) Coating: StoPox SP 250 <p>-----</p> <p>B: mineral fairing coat</p> <ol style="list-style-type: none"> 1) Prepare the substrate. 2) Apply the fairing coat: StoCrete TF 250 3) Priming: StoPox 452 EP 4) Coating StoPox SP 250

Application	A: EP filler and levelling coat for pores and blow-holes
	<ol style="list-style-type: none"> 1) Prepare the substrate. 2) Priming: <ul style="list-style-type: none"> - StoPox 452 EP - Apply the mixed material and then evenly rework with a roller. - Note: Avoid the formation of puddles. - Consumption: approx. 0.3-0.5 kg/m², depending on the roughness of the substrate 3) Fill pores and blow-holes: <ul style="list-style-type: none"> - StoPox 452 EP mixed with StoQuarz 0.1–0.2 mm or StoQuarz 0.1-0.5 mm

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- Allow the priming coat to cure.
- Add StoDivers ST to the filler and levelling coat to make it suitable for trowelling.
- Apply the filler and levelling coat to the cured priming coat.
- Close pores and blow-holes completely.
- Consumption of StoPox 452 EP: approx. 0.5-1.0 kg/m², depending on the substrate

4) Coating:

- StoPox SP 250
- apply the coating in two layers: first layer in a red-brown colour shade, second layer in a grey colour shade
- The red-brown colour shade in the first layer serves as a wear indicator.
- Apply the coating in supply consistency to the prepared substrate.
- consumption per layer: approx. 0.6-0.8 kg/m²

B: mineral fairing coat

1) Prepare the substrate.

2) Apply the fairing coat:

- StoCrete TF 250
- Wet the substrate after mechanical substrate preparation.
- See the Technical Data Sheet for StoCrete TF 250.
- consumption: approx. 2.1 kg/m²/mm

3) Priming:

- StoPox 452 EP
- Apply the priming coat in two layers.
- The first layer is used as a curing compound for the StoCrete TF 250 fairing coat.
- Apply the mixed material and then evenly rework with a roller.
- Note: Avoid the formation of puddles.
- consumption per layer: approx. 0.2-0.4 kg/m²

4) Coating:

- StoPox SP 250
- apply the coating in two layers: first layer in a red-brown colour shade, second layer in a grey colour shade
- The red-brown colour shade in the first layer serves as a wear indicator.
- Apply the coating in supply consistency to the prepared substrate.
- consumption per layer: approx. 0.6-0.8 kg/m²

Notes:

Material consumption, viscosity:

- The viscosity of StoPox SP 250 depends on the temperature.
- Viscosity is increased at low material and project temperatures. This increases the material consumption per m².
- Optionally at high temperatures: add StoDivers ST to improve resistance to flow.

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weight per cent: maximum 2 %

- Optionally at low temperatures: add StoDivers EV 100 to adjust viscosity. weight per cent: maximum 2 %

Curing:

- fully cured, earliest water exposure: after 7 days at +23 °C
- over-coatable: first layer after 8 hours at +23 °C

UV stress, colour shade deviation:

- Any yellowing which occurs under UV stress does not impair the technical properties.
- Exposure of the chemicals may cause discolouration, which does not, however, impair the technical function of the coating.

Texture of the surface:

- The finished surface features a light texture depending on the application equipment.

Air pockets:

- Some pockets of entrapped air cannot be avoided due to the product's non-sag properties. If there are 2 layers, the air pockets do not affect the impermeability of the whole system.

Cleaning the tools

Clean tools with StoCryl VV.

Notes, recommendations, special information, miscellaneous

1) Observe the general application instructions:
- see www.stocretec.de, Products
- see technical manual, notes

2) Observe the implementation instructions.

Declaration of performance, CE marking:

- The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter

Delivery

Colour shade

grey, red-brown

Packaging

combi

Article number	Name	Container
09740/004	StoPox SP 250 Set grey	15 kg set

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StoPox SP 250

09740/003

StoPox SP 250 Set red
brown

15 kg set

Storage

Storage conditions

Store in dry and frost-free conditions. Protect from direct sunlight.

Storage life

The product quality is best guaranteed in its unopened original container until its shelf life has expired. This information is included in the batch number on the container. Explanation of batch nos.:
digit 1 = last digit of the year, digits 2 + 3 = calendar week, example: 2450013223 - storage life ends at week 45 in 2022
See product packaging

Identification

Product group

Coating

GISCODE

RE55

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
Observe the 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 the Internet.

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Technical Data Sheet

StoPox SP 250

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