

Technical Data Sheet

StoPox BB

Two-components, high build solvent free epoxy coating



Characteristics

Properties

- Resistance to a wide range of chemicals
- Unaffected by a varying or constant dry temperatures -30°C to +90°C (dry heat) and up to +30°C (wet heat)
- Low odour, environmentally friendly
- Low maintenance cost
- Good adhesion to substrates
- Non flammable
- Available in anti-skid finished

Application

Apply by brush, roller or squeegee

Area of Use

On all cement-based

- Warehouses
- Garages
- Workshops
- Nuclear plants
- Chemical plants
- Breweries
- Factories
- Food industry

Technical Data

Data	Criteria	Test Standard	Value	Unit
	Mixing ratio A:B		4.4 : 1	p.b.w
	Density		1.45	g/cm ³
	Solids content		100	%
	Compressive strength		40	N/mm ²
	Flexural strength		35	N/mm ²
	E Modulus		750	N/mm ²
	Coefficient of thermal expansion		11.0 x 10 ⁻⁶ / k	
	Linear shrinkage		0.2	%
	Taber abrasion resistance	ASTM D4060:1990	100	mg
	Shore D hardness		70	

The values stated are average values. Due to the use of natural raw material in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

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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 1.5N/mm².
Substrate temperature must be > 8°C and 3 K above dew point.

Material preparations

Stir the individual components of StoPox BB thoroughly.
Pour both components into a mixing vessel and mix for 2-3 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.

Coating procedure

Priming

Prime the prepared surface with StoPox GH 205 / StoPox IH BV.
Allow to cure overnight before applying StoPox BB.

Placing

StoPox BB can be applied by brush, roller or squeegee.

Application Temperature

Minimum application temperature + 8 °C
Maximum application temperature + 45 °C

Processing Time

At +10°C: approx. 2 hours
At +23°C: approx. 45 minutes
At +30°C: approx. 15 minutes

Curing time

At 30°C
Overcoat 8 – 24 hours
Full cure 7 days

Consumption

The coverage rate is approximately 200 – 250 g/m²

Cleaning of tools

Tools must be cleaned immediately after use with thinner.

Delivery

Colour

Sto standard RAL colour range

Packing

StoPox BB is available in 10 kg set

Storage

Storage life / conditions

The shelf life of StoPox BB is approximately 12 months if stored in cool dry conditions.

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Special Notes

Safety Precautions

After full curing, StoPox BB 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 this product. 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

Technical Support

Please consult Sto Technical Service Centre or the local sales office for further information and any site assistance required.

Special Notes

Disclaimer

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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