

Technical Data Sheet

StoPox BB T 200

Epoxy resin coating with terrazzo appearance,
low-emission



Characteristics

- Area of application**
- interior
 - on floor areas
 - as self-spreading floor coating with a terrazzo appearance

- Properties**
- three-component
 - visually high-quality
 - resistant to mechanical stress
 - chemically resistant
 - low VOC emissions

- Appearance**
- silk matt

- 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
Viscosity (at 23 °C)	EN ISO 3219	13,000 mPa.s	Mixture 100:55:232.5 (A:B:C), approx.
Shore hardness type D	EN ISO 868	65 - 75	Mixture 100:55:232.5 (A:B:C)
Density (mixture 23 °C)	EN ISO 2811	1.48 g/cm ³	Mixture 100:55:232.5 (A:B:C), approx.

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**
- Requirements on the substrate:
The substrate must be dry, load-bearing, and free from native and foreign release agents. Remove weak layers and laitance.

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Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. Residual moisture may amount to max. 4 wt% for concrete in strength classes up to C30/37 and max. 3 wt% for C35/45 concrete, measured with a calcium carbide meter.

Substrate temperature higher than +12 °C and 3 K above dew point.

Average bond strength 1.5 N/mm²

Lowest single bond strength 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.

Prepare old epoxy resin coatings additionally with abrasive grids or abrasive pads so they are matt. We recommend cleaning the prepared substrate with a water/ethanol mix (ratio 1 : 1).

Application

Application temperature

Lowest application temperature: +12 °C
Maximum approved relative humidity 75 %
highest application temperature: +30 °C
Maximum approved relative humidity 85 %

Time for application

At +12 °C: approx. 45 minutes
At +23°C: approx. 25 minutes
At +30°C: approx. 15 minutes

Mixing ratio

Component A : Component B : Component C = 100 : 55.0 : 232.5 parts by weight

Material preparation

Component A, Component B and Component C are supplied in the correct mixing ratio and 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 at least 3 minutes.

After mixing, transfer the material into a clean container and stir it thoroughly once again. Add component C and mix through again intensively until a lump-free mass develops. Do not apply from the delivery container!

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

Consumption

Type of application	Approx. consumption	
per mm layer thickness	1.5	kg/m ²
recommended material application	3.5 - 4.0	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

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guide. If required, determine precise consumption values on the basis of the specific project.

Coating build-up

Visually high-quality floor coating with a terrazzo appearance

- 1) Substrate preparation
- 2) Prime coating of StoPox GH 205
- 3) Levelling filler coating of StoPox BB OS in RAL 7035 (for smooth substrates, coloured intermediate layer of StoPox WL 100 in RAL 7035)
- 4) Covering layer of StoPox BB T 200
- 5) Sealing coat of StoPox WL 150 transparent
- 6) Care treatment using StoDivers P 105 / StoDivers P 120 (optional)

Application

Visually high-quality floor coating with a terrazzo appearance

- 1) Substrate preparation

- 2) Prime coating of StoPox GH 205

Flood apply the mixed material with a rubber squeegee until the substrate is totally free of pores. Then evenly spread it by rolling/brushing.

Avoid the formation of puddles.

Consumption: approx. 0.3 - 0.5 kg/m², depending on the roughness of the substrate.

- 3) Levelling filler coating of StoPox BB OS (for roughness depths > 0.5 mm)

Apply StoPox BB OS in RAL 7035, if necessary, filled with 1:0.3 of StoQuarz 0.1-0.5 mm using a smoothing trowel or a triangular-toothed squeegee and then ventilate with a spiked roller.

Consumption of StoPox BB OS: approx. 1-2 kg/m² depending on the roughness of the substrate

For smooth substrates, coloured intermediate layer with StoPox WL 100 in RAL 7035, diluted with approx. 10% water.

Consumption of StoPox WL 100: approx. 0.2 kg/m²

- 4) Coating of StoPox BB T 200

Apply the mixed material with a squeegee (78 toothing, Sto-Tool Catalogue), spread evenly and ventilate in a criss-cross pattern using a spiked roller.

Consumption of StoPox BBT 200: approx. 3.0 - 4.0 kg/m²

- 5) Sealing coat of StoPox WL 150 transparent

Dilute StoPox WL 150 transparent with approx. 15% water and apply with a nylon roller (Sto-Varnish Roller Nylon RS 13 or Sto Large Surface Roller Nylon RS 13, Sto-Tool Catalogue) in a criss-cross pattern. 1 to 2 application cycles may be required.

Consumption: approx. 0.13 - 0.15 kg/m² per application cycle

We recommend laying StoPox WL 150 transparent with a 25 cm roll followed by subsequent rolling crosswise with a 50 cm large surface roller.

- 6) Care treatment using StoDivers P 105 / StoDivers P 120 (optional)

When the industrial flooring is clean and has cured, evenly apply a thin layer of

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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.

Notes:

Please ensure that one batch of the filling material components is applied to connected surfaces as far as possible, or if necessary, mix two batches.

The layer thickness for 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.

Despite high yellowing stability, a change in colour shade due to UV stress must be expected.

The material must be applied evenly when sealing. Using a paint grid in the application container is recommended.

If the coating is provided with care treatment the gloss level of the floor increases.

Cleaning the tools	Clean with StoCryl VV.
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Notes, recommendations, special information, miscellaneous	<p>The Declaration(s) of Conformity can be obtained from the StoCretec Technisches InfoCenter</p> <p>General application instructions can be found at www.stocretec.de (Products) and in the latest issue of the "Technical Data Sheets" manual, in the appendix.</p>
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Delivery

Colour shade	see article numbers Sand, Granite, Quartz, Laguna, Terra, Pacific, Desert, Havana, Amber, Forest
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Packaging	The product is delivered as a set article consisting of a 10 kg combined container and a 15 kg sack, hence 25 kg in total.
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Article number	Name	Container
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08862/013	StoPox BB T 200 Set CT BBT0010 Forest	25 kg set
08862/012	StoPox BB T 200 Set CT BBT0009 Amber	25 kg set
08862/011	StoPox BB T 200 Set CT BBT0008 Terra	25 kg set
08862/010	StoPox BB T 200 Set CT BBT0007 Havana	25 kg set
08862/007	StoPox BB T 200 Set CT BBT0006 Desert	25 kg set
08862/006	StoPox BB T 200 Set CT BBT0005 Pacific	25 kg set
08862/002	StoPox BB T 200 Set CT BBT0001 Sand	25 kg set
08862/003	StoPox BB T 200 Set CT BBT0002 Granite	25 kg set
08862/004	StoPox BB T 200 Set CT BBT0003 Quartz	25 kg set
08862/005	StoPox BB T 200 Set CT BBT0004 Laguna	25 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 Coating

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.
 Practical guide for dealing with epoxy resins: "Sicherer Umgang mit Epoxidharzen in der Bauwirtschaft".
 And
 Test report on the protective action of chemical protective gloves against epoxy resin coatings: "Handschuhe für lösemittelfreie Epoxidharz-Systeme" and "Schutzhandschuhe: Richtig anwenden"
www.bgbau.de/gisbau/fachthemen/epoxi

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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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