Technical Data Sheet
StoPur BB 125

PUR floor coating, low-emission, crack-bridging

Characteristics

Area of application

- interior
- for commercial floor areas in sales and exhibition rooms
- for floor areas in care facilities, schools and day-care centres etc.

Properties

- excellent flow and de-airing properties
- low VOC emissions
- damps sound of impacts
- structurally crack-bridging

Appearance

- gloss

Information/notes

- product is in accordance with EN 1504-2
- product is in accordance with EN 13813
- StoPur BB 125 must be reworked with a UV-resistant and non-yellowing sealer to protect from yellowing.

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength (28 days)	EN 1542	> 2.0 MPa	
Shore hardness type A	DIN 53505-D/EN ISO 868	80	approx.
Viscosity (at 23 °C)	EN ISO 3219	1,500 - 2,300 mPa.s	Mixture
Density (mixture 23 °C)	EN ISO 2811	1.35 - 1.43 g/cm³	
Crack bridging	EN 1062-7:2004		(static), class A3 (23 °C)

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 weak layers and laitance.

Dry in accordance with the definition in the DAfStb (German) Repair Guideline 2001-10. 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
Mastic asphalt minimum grade IC 40 (EN13813)
With mastic asphalt, 75 % of the aggregate must be exposed.

Preparations

Substrate preparation:
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: +12 °C
highest application temperature: +30 °C
Maximum approved relative humidity 75 %

Time for application

At +12 °C: approx. 50 minutes
At +20 °C: approx. 30 minutes
At +30 °C: approx. 15 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 at least 3 minutes.
After mixing, transfer into a clean container and stir again thoroughly.
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 (unfilled)	1.4	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	PUR coating, low-emission, crack-bridging 1) Prime coating of StoPox GH 205 (concrete, cementitious screed) or StoPox 452 EP (mastic asphalt) 2) Levelling coat of StoPox GH 205 or StoPox 452 EP 3) Coating of StoPur BB 125 4) Seal with coloured UV and light-resistant PUR sealing coat 5) Floor finish using StoDivers P 105 or StoDivers P 120
Application	PUR coating, low-emission, crack-bridging 1) Prime coating Apply StoPox GH 205 or StoPox 452 EP with a rubber squeegee, flooding until the substrate is totally free of pores, and then evenly spread the material by rolling/brushing. Avoid the formation of $p_d$dles. Consumption: approx. 0.3 - 0.6 kg/m², depending on the roughness of the substrate Reworking time 16 h (20 °C) The StoPur BB 125 coating must be applied within 72 hours. Scattering the filler and levelling coat should be avoided. 2) Levelling coat of StoPox GH 205 or StoPox 452 EP Apply StoPox GH 205 or StoPox 452 EPwith approx. 1:1.5 parts by weight filled with a mixture of 50 % StoQuarz 0.01 mm and 50 % StoQuarz 0.1 - 0.5 mm using a finishing trowel or squeegee with triangular notching and then de-air with a spiked roller. Consumption of StoPox GH 205 or StoPox 452 EP: approx. 0.7 - 0.8 kg/m² and mm layer thickness Reworking time 16 h (20 °C) The StoPur BB 125 coating must be applied within 72 hours. Scattering the filler and levelling coat should be avoided. 3) Coating of StoPur BB 125 Apply StoPur BB 125 with a notched squeegee (notching 48 or 95, Sto tool catalogue) and then ventilate with the spiked roller. Consumption: StoPur BB 125: approx. 1.4 kg/m²/mm 4) Sealing StoPur BB 125 must be reworked with a coloured, UV-resistant and non-yellowing PUR sealer to protect from UV stress and yellowing. 5) Floor finish using StoDivers P 105 or StoDivers P 120 When the industrial flooring is clean and has cured, evenly apply a thin layer of

	floor finish. Apply the material using a pre-dampened, lint-free 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. Apply the floor finish StoDivers P 105 or StoDivers P 120 at the earliest 2 days after applying StoPur WV 150 or StoPur WV 100. Consumption: approx. 30 - 50 ml/m² per application cycle Avoid direct sunlight, high temperatures, and draughts during application. The gloss level of the silk matt sealing StoPur WV 150 is increased by the StoDivers P 120 or the StoDivers P 105 floor finish.
Cleaning the tools	Clean with StoDivers EV 100 immediately after use.
Notes, recommendations, special information, miscellaneous	sensitive to humidity while curing When working with polyurethane please observe that the material does not come into contact with water during curing, as reaction bubbles (foam formation) could occur. Roller marks might be visible, due to applying the sealer manually. If using office chairs on the floor, these must be equipped with type "W" castors in accordance with DIN EN 12529. The abrasion resistance class specified in the CE marking refers to the smooth, not scattered covering. 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. The Declaration(s) of Conformity can be obtained from the StoCretec Technisches InfoCenter

Delivery

Colour shade	wide colour shade variety in accordance with RAL colour fan and NCS
Packaging	pail and tin

Article number	Name	Container
00006/001	StoPur BB 125 Set tinted	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).

Technical Data Sheet
StoPur BB 125

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.

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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