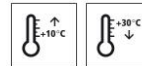


Technical Data Sheet

StoPur EB 400

PUR balcony coating, thin-layer, low solvent content



Characteristics

- Area of application**
- for cementitious substrates such as concrete or screed surfaces
 - as a coloured coating for balcony surfaces, access balconies, and loggias

- Properties**
- viscoplastic
 - UV- and weather-resistant
 - abrasion-resistant

- Appearance**
- gloss

- Information/notes**
- product is in accordance with EN 13813
 - additional design options and increased slip resistance by scattering StoChips

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	EN ISO 3219	800 - 1.300 mPa.s	mixture
Volume of non-volatile matter		84 - 86 %(V)	
Shore hardness type D	EN ISO 868	30 - 36	
Density (mixture 23 °C)	EN ISO 2811	1,33 - 1,38 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**
- Requirements on the substrate:
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 of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM per cent for C35/45 concrete, measured with a calcium carbide meter.

Technical Data Sheet

StoPur EB 400

Substrate temperature higher than +10 °C and 3 K above dew point.

Average bond strength: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

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: +10 °C
Highest application temperature: +30 °C

Time for application

At +10 °C: approx. 60 minutes
at +20 °C: approx. 40 minutes
at +30 °C: approx. 20 minutes

Mixing ratio

component A : component B
A : B
100.0: 46.5 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.

Do not apply from the delivery container!

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

If applying StoPur EB 400 to vertical or steeply inclined surfaces, it can be filled with approx. 2 wt% of the thixotropic additive StoDivers ST.

The quantity of the thixotropic additive to add depends on the temperature.

After adding StoDivers ST, thoroughly stir the mixture again and apply immediately.

Consumption

Type of application

Approx. consumption

as a coating

0,60 - 0,80

kg/m²

Technical Data Sheet

StoPur EB 400

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

- 1) Substrate preparation
- 2a) Prime coating of StoPox 452 EP
or
- 2b) Prime coating and scratch coat
- 3) Coating
- 4) Chips scattering (loose scattering)

Application

- 1) Substrate preparation

- 2a) Prime coating of StoPox 452 EP

Flood apply the mixed StoPox 452 EP on to the substrate and spread it evenly using a rubber squeegee.

Leave to react for 5 minutes. Rework the surface evenly with a roller.

Consumption of StoPox 452 EP: approx. 0.3 - 0.5 kg/m²

Scatter StoQuarz 0.1 - 0.5 mm or 0.3 - 0.8 mm evenly, grain by grain, over the prime coating.

Consumption of StoQuarz 0.1 - 0.5 mm or StoQuarz 0.3 - 0.8 mm: approx. 1.0 kg/m²

or

- 2b) Prime coating and scratch coat

Flood apply the mixed StoPox 452 EP on to the substrate and spread it evenly using a rubber squeegee.

Leave to set for 5 minutes. Rework the surface evenly with a roller.

Apply a scratch coat, consisting of 1 part by weight StoPox GH 452 EP and up to 3 parts by weight Sto-Aggregate KS to the fresh first application cycle of the priming coat.

coverage of StoPox 452 EP: 0.5 kg/m² per mm layer thickness

Consumption of Sto Zuschlag KS: approx. 1.5 kg/m² per mm of layer thickness

Scatter a surplus of StoQuarz 0.3 - 0.8 mm on to the fresh scratch coat. Avoid bald spots - if required, rescatter gaps until the scratch coat starts to gel.

Consumption of StoQuarz 0.3 - 0.8 mm: approx. 6 kg/m²

- 3) Coating

Spread the StoPur EB 400 coating using a rubber squeegee and then roll evenly.

Consumption of StoPur EB 400: 0.6 - 0.8 kg/m²

Technical Data Sheet

StoPur EB 400

4) Chips scattering (loose scattering)
Loosely scatter StoChips 1 mm.
Consumption of StoChips 1 mm: approx. 30 g/m²

Drying, curing, ready for next coat	Dust-dry: after approx. 5 hours Over-coatable: after approx. 8 hours Ready for foot traffic: after approx. 8 hours Fully cured: after approx. 7 days All technical details are approximate values and were determined, unless otherwise stated, at a normal temperature of +23 °C, 50 % relative humidity, and using the standard colour shade RAL 7032.
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Cleaning the tools	After every work interruption, clean tools and working equipment using StoDivers EV 100.
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Notes, recommendations, special information, miscellaneous	Only StoDivers ST may be used as a thixotropic additive. Otherwise, curing flaws may occur. General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual. The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter
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Delivery

Colour shade	wide colour shade variety, limited tintability in accordance with the StoColor System, RAL colour fan PG 11 / PG 12 see colour shade table
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Packaging	pail and tin
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Article number	Name	Container
02992/013	StoPur EB 400 Set tinted	20 kg set
02992/010	StoPur EB 400 Set tinted	7 kg set

Storage

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

Product group	Coating
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Technical Data Sheet

StoPur EB 400

GISCODE

PU45

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
Observe the Safety Data Sheet!
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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