Technical Data Sheet
StoPur EB 200

PUR balcony coating, thick-layer, highly crack-bridging

Characteristics

Area of application

- as a coloured coating for balconies and access balconies
- for cementitious substrates such as concrete or screed surfaces

Properties

- cold-elastic
- UV- and weather-resistant
- highly crack-bridging
- additional design options and increased slip resistance by scattering StoChips

Appearance

- gloss

Information/notes

- Product is in accordance with EN 13813

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Shore hardness type A	DIN 53505-A/EN ISO 868	82 - 88	
Viscosity (at 23 °C)	EN ISO 3219	5,000 - 8,500 mPa.s	Mixture
Density (mixture 23 °C)	EN ISO 2811	1.58 - 1.66 g/cm³	

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. 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 +10 °C and 3 K above dew point. Average bond strength 1.5 N/mm² Lowest single bond strength 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. 50 minutes At +20 °C: approx. 35 minutes At +30 °C: approx. 15 minutes
Mixing ratio	Component A : component B = 100.0 : 16.7 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. StoPur EB 200 can be accelerated by adding StoDivers EBQ. Dosage and details regarding the pot life, rainproofing and accessibility, see table (Appendix): System StoPur EB 200 Quick with StoDivers EBQ. StoPur EB 200 can be filled with approx. 2 wt% of the thixotropic additive StoDivers ST for applying to vertical or strongly sloped surfaces. 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 coating	2.5 - 3.0	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	1) Substrate preparation 2.a) Prime coating of StoPox 452 EP 2.b) Prime coating and scratch coat 2.c) Priming coat for one-day balcony coating 3) Coating 4.a) Chips scattering (loose scattering) 4.b) Chips scattering (full scattering) 5) Sealing
Application	1) Substrate preparation 2.a) Prime coating of StoPox 452 EP (in two layers) 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 the second layer evenly, grain by grain, with StoQuarz 0.1 - 0.5 mm or StoQuarz 0.3 - 0.8 mm. Consumption of StoQuarz 0.1 - 0.5 mm or StoQuarz 0.3 - 0.8 mm: approx. 1.0 kg/m² 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 452 EP and up to 3 parts by weight Sto Zuschlag KS, onto the fresh layer 1 of the prime coating. Consumption of StoPox 452 EP: 0.5 kg/m² per mm of layer thickness Consumption of Sto Zuschlag KS: approx. 1.5 kg/m² per mm of layer thickness Evenly scatter StoQuarz 0.3 - 0.8 mm over the fresh scratch coat. Avoid bald spots - if necessary, apply more scatter to the gaps until the scratch coat starts to gel. Consumption of StoQuarz 0.3 - 0.8 mm: approx. 6 kg/m² 2.c) Prime coating for one-day balcony coating Flood apply the mixed StoPox GH 300 on to the substrate with a rubber squeegee and spread. Leave for 5 minutes to react. Then roll evenly. Consumption of StoPox GH 300: approx. 0.3 - 0.5 kg/m² Do not scatter the priming coat. Coat within 24 hours. 3) Coating

	Spread StoPur EB 200 with the toothed squeegee and ventilate with the spiked roller. Consumption of StoPur EB 200: 2.5 - 3.0 kg/m² 4.a) Chips scattering (loose scattering) Scatter StoChips 1 mm or StoChips 3 mm loosely. Consumption of StoChips 1 mm: approx. 30 g/m² 4.b) Chips scattering (full scattering) Scatter a surplus of StoChips 1 mm. The consumption depends on the when and how the chips are scattered. Consumption of StoChips 1 mm: 0.4 - 0.7 kg/m² 5) Sealing coat A sealing coat with StoPur DL 520 is necessary for full-surface scattering. Sealing is optional for loose chip scattering. Consumption of StoPur DL 520 (full scattering, R11): 175 g/m²
Drying, curing, ready for next coat	Fully cured at +20°C and 65% relative humidity: after 7 days see StoPur EB Quick System for details regarding early rainproofing and suitability for foot traffic, (note: 1 double chamber bag contains 2 x 50 ml) Table (appendix): system StoPur EB 200 Quick with StoDivers EBQ.
Cleaning the tools	Clean with StoDivers EV 100 immediately after use.
Notes, recommendations, special information, miscellaneous	Only StoDivers ST may be used as a thixotropic additive. Otherwise, curing flaws may occur. The abrasion resistance class specified in the CE marking refers to the smooth, not scattered covering. System StoPur EB 200 Quick StoPur EB 200 can be accelerated by adding StoDivers EBQ. Dosage and details regarding the pot life, rainproofing and accessibility, see table in the Appendix. Observe the Rev. no. and date of the table. First mix StoPur 200 component A and B (see mixing procedure). Only add StoDivers EBQ immediately before application, mix again thoroughly and apply immediately. For general application instructions, see 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,

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RAL colour fan, limited tintability in accordance with the StoColor System
PG 11 / PG 12 see colour shade table

	Article number	Name	Container
	03634/009	StoPur EB 200 Set tinted	30 kg set
	03634/001	StoPur EB 200 Combi tinted	15 kg combi

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.

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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Additional information to the Technical Data Sheet of StoPur EB 200

System StoPur EB 200 Quick

StoPur EB 200 can be accelerated by adding StoDivers EBQ.

The following values apply to the 15 kg container size of StoPur EB 200

Temperature	With/without StoDivers EBQ	Pot live in minutes	Rainproof after	Ready for foot traffic after
+10 °C	without	50	24 h	48 h
+10 °C	with 100 ml	35	12 h	24 h
+10 °C	with 2 x 100 ml	20	5 h	24 h
+20 °C	without	35	12 h	12 h
+20 °C	with 100 ml	20	5 h	12 h
+20 °C	with 2 x 100 ml	10	5 h	5 h

First mix the StoPur 200 components A and B (see mixing procedure).
Only add StoDivers EBQ immediately before application, mix again thoroughly and apply immediately.

Rev.04/valid from 14 June 2017

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