

Technical Data Sheet

StoPur EB 700

PUR balcony coating, low-emission, M1



Characteristics

Area of application	• as a coloured coating for balconies and access balconies • on cementitious substrates, e.g. concrete, screed
Properties	• low-emission, emission class M1 • cold-elastic • UV-resistant • 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	EN ISO 868	77 - 83	
Viscosity (at 23 °C)	EN ISO 3219	4.000 - 7.000 mPa.s	mixture
Density (mixture 23 °C)	EN ISO 2811	1,30 - 1,50 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	General: - Dry, load-bearing - Free from separating, native, or foreign substances - Remove weak layers. - Remove any accumulation of fine concrete particles on the surface. Dry substrate: - Depends on the compressive strength class - Dry in accordance with the definition in EN 1504-10
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Substrate temperature: at least +10 °C, 3 K above the dew point

- Bond strength, average: 1.5 N/mm²

- Bond strength, lowest single value: 1.0 N/mm²

Preparations

Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

Example:

- Shot-blasting
- Diamond milling

Application

Application temperature

substrate and air temperature

Lowest application temperature: +10 °C

Highest application temperature: +30 °C

Application temperature:

minimum temperature: +10 °C

maximum 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

A : B

100.0: 25.0 parts by weight

Material preparation

Notes:

- Component A and component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.
- Observe the order of the "Preparing material" steps.
- Stir the individual components before removing partial amounts.
- Do not the apply product from the delivery container.
- The material temperature is between +15 °C and +25 °C.
- The temperature of all components is between +15 °C and +25 °C.

Mixing time:

- The length of the mixing time depends on the temperature of the material and the ambient temperature.
- Mix each container for the same length of time.

Possible consequences if mixing times are too long or too short:

- Mixing the product too long will shorten the time for application.

Preparing the material:

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- 1) Stir component A.
- 2) Add all of component B.
- 3) Mix the components until the hardener is well distributed, the mixture is homogeneous, and a streak-free mass is produced.
Paddle mixer: slow running mixer, max. 300 rpm
Mixing time: at least 3 minutes
- 4) Ensure that the mixing equipment covers the bottom and the rim areas of the mixing container. The hardener must be evenly distributed.
- 5) Transfer the mixture to a clean container. Mix the components again.

Consumption	Type of application	Approx. consumption	
	as a coating	1,5 - 2,8	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 guide. If required, determine precise consumption values on the basis of the specific project.			

Coating build-up	1) Prepare the substrate.
	2a) Priming: StoPox GH 700 2b) Apply a priming coat and scratch mortar: StoPox GH 700 with Sto-Aggregate KS 3) Coating: StoPur EB 700 4a) Loose broadcasting: StoChips 4b) Full broadcasting: StoChips 5) Sealing: StoPur VR 100

Application

- 1) prepare the substrate
- 2a) Priming:
 - StoPox GH 700
 - Flood apply the product. Tools: rubber squeegee
 - Leave the product to react for 5 minutes and rework with a roller.
 - Apply the second layer the following day.
 - consumption: approx. 0.3 kg/m², depending on the substrate roughness
 - Note:
 - Do not scatter with quartz sand.
- 2b) Apply a priming coat and scratch mortar:
 - Priming:
 - StoPox GH 700
 - Flood apply the product. Tools: rubber squeegee
 - Leave the product to react for 5 minutes and rework with a roller.
 - Apply the scratch mortar to the fresh priming coat.
 - Mixing ratio:

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- 1 part by weight StoPox GH 700
3 parts by weight StoZuschlag KS
- Distribute the product on the surface. Tools: rubber squeegee
 - Leave the product to react for 5 minutes.
 - De-air the product with a spiked roller.
 - consumption StoPox GH 700: approx. 0.5 kg/m² per mm layer thickness
 - consumption StoZuschlag KS: 1.5 kg/m² per mm of layer thickness

Note:

- Do not scatter with quartz sand.

3) Coating:

- StoPur EB 700
- Distribute the product on the surface. Tools: notched squeegee, bucket trowel
- De-air the coating with a spiked roller.
- consumption: 1.5-2.8 kg/m²

4a) Loose broadcasting:

- StoChips 1 mm or StoChips 3 mm
- Scatter the product loosely into the fresh covering layer.
- consumption StoChips 1 mm: approx. 30 g/m²

4b) Full broadcasting:

- StoChips 1 mm
- Scatter a slight excess of the product.
- consumption StoChips 1 mm: 0.4-0.7 kg/m²

Note:

- Consumption depends on the time and technique of scattering.

5) Sealing:

- StoPur VR 100 and Sto Ballotini 180-300 µm
- consumption StoPur VR 100: approx. 150-200 g/m²
- consumption Sto Ballotini: 180-300 µm: 45-60 g/m²

Note:

- A sealing coat is only necessary for full broadcasting.

Notes

Vertical or strongly inclined surfaces:

- If StoPur EB 700 is applied to vertical or strongly sloped surfaces, the product can be filled with 2 parts by weight of StoDivers ST.
- The quantity added of the thixotropic additive depends on the temperature.
- After adding StoDivers ST, mix the product again thoroughly and apply immediately.

Drying, curing, ready for next coat

Subsequent coating: After approx. 24 hours
suitable for foot traffic: after approx. 24 hours
completely cured: after approx. 7 days

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All technical details are approximate values and were determined, unless otherwise stated, at a normal temperature of +23 °C, 50 % relative humidity.

Cleaning the tools	Clean tools with StoDivers EV 100.
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Notes, recommendations, special information, miscellaneous	1) Observe the general application instructions: - see www.stocretec.de, Products - see technical manual, notes 2) Observe the implementation instructions. Declaration of performance, CE marking: - The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter
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Delivery

Colour shade	wide colour shade variety, RAL colour fan, limited tintability in accordance with the StoColor System, PG 11 and PG 12, see colour shade table
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Packaging	Pail
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Article number	Name	Container
09641/001	StoPur EB 700 Combi tinted	15 kg combi

Storage

Storage conditions	Store in dry and frost-free conditions. Protect from direct sunlight.
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Storage life	The product quality is best guaranteed in its unopened original container until its shelf life has expired. This information is included in the batch number on the container. Explanation of batch nos.: digit 1 = last digit of the year, digits 2 + 3 = calendar week, example: 2450013223 - storage life ends at week 45 in 2022 See product packaging
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Identification

Product group	Coating
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GISCODE	PU10
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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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