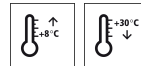


Technical Data Sheet

StoCryl BF 100

Floor paint



Characteristics

Area of application

- interior and exposed to weathering
- as a coloured coating on mineral substrates, e.g. concrete or cementitious screed
- anhydrite screed for interiors
- for surfaces subject to foot traffic and light mechanical stress, e.g. for cellar floors and stairs, balcony floors
- as a coating for secondary containment tanks and rooms for heating oil, diesel fuel, and unused engine and gear oils

Properties

- ready-to-use coating for floors subject to light stress

Information/notes

- not for surfaces subject to vehicle traffic (plasticiser migration)

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.1 - 1.3 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783-2	2.4 m	V3 low
Gloss	EN 1062-1	Mid sheen	G2
Dry layer thickness	EN 1062-1	210 µm	E4 > 200; ≤ 400
Grain size	EN 1062-1	< 100 µm	S1 fine

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 concrete substrate must be load-bearing and free from native and foreign substances that have a separating action, as well as from corrosion-promoting components (e.g. chlorides).
Remove less strong layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline

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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 +8 °C and 3 K above dew point.
Average bond strength 1.5 N/mm²
Bond strength of the single smallest 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.

Application

Application temperature Lowest application temperature: +8 °C
Highest application temperature: +30 °C

Material preparation Ready-to-use, stir thoroughly before application.

Consumption	Type of application	Approx. consumption	
	as coating per layer	0.3	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) Substrate preparation
- 2) Prime coating of StoCryl BF 100, StoCryl GW 200, or StoCryl GL
- 3) Coating of StoCryl BF 100 in 1 - 3 layers

Application

StoCryl BF 100 can be applied by roller or brush.

1) Substrate preparation

2) Prime coatings

Normally absorbent substrate: StoCryl BF 100, diluted with 20 % water.
Consumption of StoCryl BF 100: approx. 0.2 kg/m²

Strongly absorbent substrate in interiors: StoCryl GW 200, undiluted.
Consumption of StoCryl GW 200: approx. 0.2 kg/m²

Strongly absorbent substrate in exteriors: StoCryl GL, diluted with up to 1 part by volume of StoFluid AF.

Dilution and consumption depend on the absorbency of the substrate. The prime

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coating must not stay glossy.
Consumption of StoCryl GL: approx. 0.2 kg/m²

3) Coating
StoCryl BF 100, apply undiluted in 1 - 2 layers.
Consumption of StoCryl BF 100: approx. 0.3 kg/m² per layer

Coating for secondary containment tanks in interiors for:
- Heating oil
- Diesel fuel
- Unused engine oils and gear oils
- Transformer oils (Shell Diala Oil D, Texaco Transformer Oil GK-I, Aral Isolan T)

Substrates: concrete, cementitious screed, cement mortars, and StoCrete SM.

Apply the top coats to the side walls with a graduation of 1 cm, in order to show the layer sequence.

1) Substrate preparation

2) Prime coating
StoCryl BF 100, diluted with 20 % water.
Consumption of StoCryl BF 100: approx. 0.2 kg/m²

3) Coating
StoCryl BF 100, apply undiluted in 2 layers in alternate colour shades.
Consumption of StoCryl BF 100: approx. 0.3 kg/m² per layer

Waiting times between coatings:
StoCryl BF 100 with StoCryl BF 100: after 8 hours

StoCryl GW 200 with StoCryl BF 100: after 12 hours

StoCryl GL with StoCryl BF 100:
at +10 °C after 3 days
at +20 °C after 2 days
at +30 °C after 1 day

Cleaning the tools

Clean all equipment with water immediately after use. The use of a common household detergent makes cleaning easier. During work breaks, immerse the paint brush or roller in the paint.

Notes, recommendations, special information, miscellaneous

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.

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Delivery

Colour shade tintable in accordance with the StoColor System, RAL colour fan

Packaging Pail

Article number	Name	Container
02231-001	StoCryl BF 100 tinted	10 l pail

Storage

Storage conditions Store in dry and frost-free conditions; avoid direct sunlight.

Storage life In the original container until ... (see packaging).

Certificates/approvals

P-12.1-0091	StoCryl BF 100 National technical approval
ZERT 9 II 09/568	StoCryl BF 100 Certificate of Compliance

Identification

Product group Floor paint

Safety For further information on handling the product, its storage and disposal, see EU Safety Data Sheet.
The EU Safety Data Sheet is available for the professional user.

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.

Technical Data Sheet

StoCryl BF 100

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