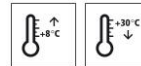


Technical Data Sheet

StoCryl BF 700

Floor paint, low-emission



Characteristics

Area of application

- interior
- exposed to the weather
- as a coloured coating on mineral substrates, e.g. concrete or cementitious screed
- for the visual design of surfaces suitable for foot traffic with low mechanical stress
- as a coating for secondary containment tanks and secondary containment chambers for heating oil, diesel fuel, unused engine oils, and gear lubricants inside buildings
- as a coating for secondary containment tanks and secondary containment chambers for heating oil, unused engine oils, and gear lubricants in covered exterior areas

Properties

- low-emission, meets the VOC emission requirements of the Committee for Health-related Evaluation of Building Products
- single-component
- ready-to-use coating
- abrasion-resistant
- weather-resistant
- water-dilutable

Appearance

- mid sheen: class G2 in accordance with EN 1062-1

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1,27 g/cm ³	
Volume of non-volatile matter		49 %(V)	
Non-volatile content	DIN 53217	60,2 %	

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

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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

Moisture content:

- Measure the moisture content of the concrete substrate with a calcium carbide meter.
- Moisture content for concrete qualities up to C30/37: max. 4 weight per cent
- Moisture content for concrete qualities up to C35/45: max. 3 weight per cent

Substrate temperature: at least +8 °C, 3 K above the dew point

Bond strength, average: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

Existing coatings and other substrates:

- Compatibility: cross-cut value ≤ 1 in accordance with ISO 2409

Preparations

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

Example:

- Shot-blasting
- Abrasive blasting
- Diamond grinding

Roughness depths:

- For roughness depths ≥ 0.2 mm and high visual requirements, apply a flowing screed, e.g. StoCrete EH 200

Existing coatings:

- 1) Sand the coating.
- 2) Clean the substrate.

Application

Application temperature

substrate and air temperature
minimum temperature: +8 °C
maximum temperature: +30 °C

Application temperature:
minimum temperature: +8 °C
maximum temperature: +30 °C

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Material preparation	Stir the material until it is homogeneous.		
Consumption	Type of application	Approx. consumption	
	as a floor coating (2 layers)	0,3	l/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. 2) Priming: 2a) Prime in interior areas: StoCryl BF 700 2b) Prime in exterior areas: StoCryl GL with StoFluid AF 3) Coating: StoCryl BF 700 4) Sealing 4a) Seal in interiors and exterior areas: StoCryl BF 750 4b) Seal in interiors: StoCryl BF 755		
Application	Apply the material using a roller or paint brush. 1) Prepare the substrate. 2) Primer: 2a) Prime in interior areas: - StoCryl BF 700 - Dilute the product with approx. 5-10 % water. - consumption: approx. 150-160 ml/m ² 2b) Prime in exterior areas: - StoCryl GL with StoFluid AF - Dilute the product with up to one volume fraction with StoFluid AF. - Dilution and consumption depend on the absorption capacity of the substrate. - Note: The prime coating must not stay glossy. 3) Coating: - StoCryl BF 700 In interiors: - Apply the product undiluted. - Optionally mix: 10 % Sto Ballotini Ø 180-300 µm - Optional scattering: StoChips 1 mm approx. 30 g/m ² - consumption: approx. 150-160 ml/m ²		

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In exterior areas:

- Apply the product undiluted in two layers.
- Optionally mix: 10 % Sto Ballotini Ø 180-300 µm
- Consumption per layer: approx. 150–160 ml/m²

4) Sealing coat:

4a) Seal in interiors and exterior areas:

- StoCryl BF 750

In interiors:

- optional
- If Sto Ballotini and StoChips are used, seal the surface.
- Consumption: approx. 100 ml/m²

In exterior areas:

- Seal the surface when using Sto Ballotini.
- Consumption: approx. 100 ml/m²

4b) Seal in interiors:

- StoCryl BF 755
- optional
- If Sto Ballotini and StoChips are used, seal the surface.
- Consumption: approx. 100-120 ml/m²

Notes:

- Use the StoCryl BF 700 build-up with ballotini and StoCryl BF 750 for slip resistance requirements in exterior areas.
- Ensure sufficient inclination on surfaces exposed to the elements to allow water to run off in a controlled manner. inclination: at least 1.5 %

Coating for secondary containment tanks:

- In interiors and covered exterior areas, observe the specifications of the national technical approval Z-59.11-471.

Hiding power:

- depending on the colour shade selected, differences may occur in the hiding power, e.g. intense yellow, intense red

Note:

- an additional application cycle for the coating build-up therefore makes sense
- the hiding power of the above-mentioned colour shades can be increased by pre-coating the surface with a colour shade with better hiding power that is matched to the selected colour shade

Drying, curing, ready for next coat

Time until the next layer can be applied onto StoCryl GL:
at +20 °C: after 48 h

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Time until the next layer can be applied onto StoCryl BF 700:
at +20 °C: after 4-5 h

Time until the area is suitable for foot traffic:
at +20 °C: after 24 h

Up to insensitivity to rain and moisture:
at +20 °C: after 48 h

Time until the area has fully cured:
at +20 °C: after 7 days

Cleaning the tools

Clean tools with water immediately after use.
Remove bonded material by mechanical means.

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:
- declaration of performance: see www.stocretec.de

Delivery

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

Packaging

pail

Article number	Name	Container
00044-002	StoCryl BF 700 tinted	5 l pail
00044-001	StoCryl BF 700 tinted	10 l pail

Storage

Storage conditions

Store in dry and frost-free conditions. Protect from direct sunlight.

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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Certificates/approvals

Z-11656-1805-1001

StoCryl BF 700 - climate-neutral paint

Z-59.11-471

StoCryl BF 700 - for secondary containment tanks, secondary containment rooms, concrete surfaces, render and screed in LAU facilities
Technical documentation

Identification

Product group

Floor paint

GISCODE

BSW20

Safety

Observe the Safety Data Sheet!

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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