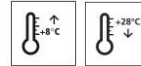


Technical Data Sheet

StoCryl BF 700 Metallic

Floor paint, low-emission, with metallic effect



Characteristics

Area of application

- interior
- as a coloured coating on mineral substrates, e.g. concrete screed, cementitious screed
- for the visual design of surfaces suitable for foot traffic with low mechanical stress

Properties

- free
- low-emission
- single-component
- ready-to-use coating
- 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	1.30 g/cm ³	
Volume of non-volatile matter	DIN 53217	55 %(V)	

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

Moisture content:

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- 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

Concrete:
 - open pores close to the surface

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

Sample surface area:

- Before commencing application, create a meaningful, project-specific, sample surface area.
- The sample surface area should be approved by the site manager or building owners.

Application

Application temperature

substrate and air temperature
 minimum temperature: +8 °C
 maximum temperature: +28 °C

Application temperature:
 minimum temperature: +8 °C
 maximum temperature: +28 °C

Consumption

Type of application

Approx. consumption

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as an effect coating (per layer)	0.15 - 0.16	l/m ²
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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: StoCryl BF 700
- 3) Coating: StoCryl BF 700 Metallic
- 4) Sealing: StoCryl BF 750

Application

- 1) Prepare the substrate.
- 2) Primer:
 - StoCryl BF 700
 - Apply the product to the surface. Tools: short-pile roller
 - Note: Select a substrate colour shade that matches the selected metallic colour shade.
 - Dilute the product with approx. 5-10 % water.
 - Consumption: approx. 150-160 ml/m²
- 3) Coating:
 - StoCryl BF 700 Metallic
 - Dilute the product with approx. 5-10 % water.
 - Consumption per layer: approx. 150–160 ml/m²
 - Note: The number of application cycles required depends on the desired surface appearance.

Application with Sto Ballotini:

 - 30 % Sto Ballotini Ø 180-300 µm
 - Stir the product into StoCryl BF 700 Metallic.
 - Brush the product crosswise on to the surface. Tools: wide brush
 - Leave it to dry.

Note:

 - Depending on the appearance, repeat this step.

Application with metallic effect:

 - StoCryl BF 700 Metallic
 - Roll the product on evenly. Tools: short-pile roller sleeve
 - While still damp, smooth with round wiping movements. Tools: Sto-Reibebrett

Note:

 - Depending on the appearance, repeat this step.
- 4) Sealing coat:
 - StoCryl BF 750
 - Consumption: approx. 100 ml/m²

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Notes:

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

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

Time until the next layer can be applied to StoCryl BF 700 Metallic:
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.

Delivery

Colour shade

Colour shades StoCryl BF 700 Metallic:

37812M Brass 1	substrate colour shade StoColor 31235
37804M Brass 3	substrate colour shade StoColor 31320
37803M Copper 1	substrate colour shade StoColor 32241
37833M Copper 4	substrate colour shade StoColor 32143

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37822M Gold 3 substrate colour shade StoColor 31400
37809M Platinum 5 substrate colour shade StoColor 37102
37811M Silver 5 substrate colour shade StoColor 31232

Article number	Name	Container
00044-022	StoCryl BF 700 Metallic tinted	5 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

Identification

Product group Floor paint

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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