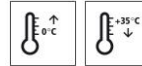


Technical Data Sheet

StoPma BC 200

PMMA binder, industry, elasticised



Characteristics

Area of application

- as self-spreading coatings in food-processing areas
- as a binder for producing thin coatings of 1-4 mm
- as self-spreading coating in interiors
- on concrete, cementitious screed, and ceramic tiles

Properties

- PMMA
- rapid curing
- elasticised

Appearance

- coloured or transparent

Information/notes

- StoPma BC 200 is used as a binder to produce coatings for the StoFloor Food Pma BC 200 system in food-processing areas

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	DIN 53015	150 - 180 mPa.s	
Density (mixture 23 °C)	DIN 51757	0,98 g/cm ³	
Flexural strength	DIN 1164	25 N/mm 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

Requirements

Concrete or cementitious screed: Additives and curing compounds can lead to incompatibility. Test the compatibility of StoPma BC 200 with the respective substrate on the project.

Requirements on the substrate:

- Dry, load-bearing
- Free from separating, native, or foreign substances
- Remove weak layers.
- Remove any accumulation of fine concrete particles on the surface.

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Dry substrate:

- Depends on the compressive strength class
- Dry in accordance with the definition in EN 1504-10

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 CM per cent
- Moisture content for concrete qualities up to C35/45: max. 3 CM per cent

Substrate temperature: at least +0 °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
- Milling followed by shot-blasting
- Abrasive blasting
- Diamond grinding

Roughness depths:

- Reduce roughness depths >1.5 mm, e.g. by diamond-grinding.

Note:

- Only use system-compatible StoCretec PCC mortars and StoPox Mörtel standfest to profile larger recesses or defects and to create inclinations or seamless backgrounds.
- Information about system-compatible PCC mortars is available from the StoCretec Technisches InfoCenter.

Application

Application temperature

minimum temperature: 0 °C
maximum temperature: +35 °C

Time for application

At +20 °C: approx. 15 minutes

Mixing ratio

The amount of catalyst required depends on the temperature of the material and the substrate.

- +30 °C: 1.0 weight per cent StoPma KAT 300 (10 g/kg binder)
- +20 °C: 2.0 weight per cent StoPma KAT 300 (20 g/kg binder)
- +10 °C: 4.0 weight per cent StoPma KAT 300 (40 g/kg binder)
- 0 °C: 6.0 weight per cent StoPma KAT 300 (60 g/kg binder)

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Material preparation

Strongly inclined or vertical areas:

- Mix StoPma BC 200 with StoDivers ST.
- StoDivers ST: at least approx. 3.0 percent by weight, 30 g/kg binder.

1) Stir the material.

Note: The paraffin must spread evenly.

2) Add exactly the right amount of catalyst.

3) Mix the components.

Paddle mixer: slow running mixer, max. 300 rpm Mixing time: at least 1 minute

4) Apply the mixture immediately.

Consumption	Type	Approx. consumption	
	application 1-2 mm	1,5	kg/m ² /mm
	application 3-4 mm	1,7	kg/m ² /mm

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

A: rollable wall coating

1) Priming: StoPma GH 100

2) Coating: StoPma BC 200

3) Scatter: StoChips 1 mm

4) Sealing: StoPma TC 100

B: thin coating, 1-2 mm for light stress

1) Priming: StoPma GH 100

2) Coating: StoPma BC 200

3) Scatter: StoChips 1 mm

4) Sealing: StoPma TC 100

C: thick coating 3-4 mm

1) Priming: StoPma GH 100

2) Coating: StoPma BC 200

3) Scatter: StoChips 1 mm

4) Sealing: StoPma TC 100

Application

A: rollable wall coating

1) Priming:

- StoPma GH 100

2) Coating:

- StoPma BC 200, approx. 69 weight per cent

- mix in quartz powder 0.01 mm, approx. 25 per cent by weight

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- mix in StoPma Pigment, approx. 5 weight per cent
- add StoPma BC 200 to StoDivers ST, approx. 1 weight per cent
- mix in the StoPma KAT 300 starter, approx. 1–6 percent by weight, depending on the temperature
- Pour the coating onto the surface and distribute it. Tools: trowel, roller sleeve
- Do not de-air the coating with a spiked roller.
- consumption: approx. 1.3 kg/m²/mm in total

3) Scatter:

- StoChips 1 mm

4) Sealing:

- StoPma TC 100
- Note: Seal the coating for improved dirt repellence.

B: thin coating, 1-2 mm for light stress

1) Priming:

- StoPma GH 100

2) Coating:

- StoPma BC 200, approx. 47 weight per cent
- mix in StoQuarz AS 300, approx. 50 weight per cent
- mix in StoPma Pigment, approx. 3 weight per cent
- mix in the starter, approx. 1–6 percent by weight, depending on the temperature
- Pour the coating onto the surface and distribute it. Tools: squeegee, bucket trowel, roller sleeve
- Do not de-air the coating with a spiked roller.
- consumption: approx. 1.3 kg/m²/mm in total

3) Scatter:

- StoChips 1 mm

4) Sealing:

- StoPma TC 100

C: thick coating 3-4 mm

Recommendation: thickness of the industrial floor coating for forklifts and lift trucks: minimum 4 mm

1) Priming:

- StoPma GH 100

2) Coating:

- StoPma BC 200, approx. 33 weight per cent
- mix in StoQuarz AS 300, approx. 65 weight per cent
- mix in StoPma Pigment, approx. 2 weight per cent
- mix in the starter, approx. 1–6 percent by weight, depending on the temperature

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- Pour the coating onto the surface and distribute it. Tools: squeegee, bucket trowel, roller sleeve

- Do not de-air the coating with a spiked roller.

- consumption: approx. 1.7 kg/m²/mm in total

3) Scatter:

- StoChips 1 mm

- Note: StoPma BC 200 can be reworked after 90 minutes. Break the raised edges before overcoating. Suction clean the surface.

4) Sealing:

- StoPma TC 100

Cleaning the tools

Clean tools with StoDivers EV 100 or StoCryl VV.
Leave tools to air-dry for 30 minutes before using again.

Notes, recommendations, special information, miscellaneous

Observe the general application instructions:

- see www.stocretec.de, Products

- see technical manual, notes

ordering address for coloured quartzes:

Gebrüder Dorfner GmbH & Co.

Kaolin- und Kristallquarzsand- Werke KG

Scharhof 1

D-92242 Hirschau

E-mail: info@dorfner.com

www.dorfner.com

Delivery

Colour shade

RAL, colour of the coloured quartz

Packaging

tin pail

Article number	Name	Container
01422-002	StoPma BC 200	25 kg pail
01422-001	StoPma BC 200	190 kg vat (bar)

Storage

Storage conditions

Store in dry and frost-free conditions. Protect from direct sunlight.
Avoid temperatures above +25 °C.

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

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See product packaging

Identification

Product group Binders

GISCODE RMA10

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.

Observe the Safety Data Sheet!

Safety instructions refer to the ready-to-use, unapplied product.

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.

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
stocretec@sto.com
www.stocretec.de