Technical Data Sheet
StoPma TC 200

PMMA sealer, industry, exterior

Characteristics

Area of application

- as a sealer for wet areas
- as a sealer in exterior areas
- thermal stress resistance: up to 60 °C
- on scattered coatings
- on colour quartz coatings

Properties

- PMMA elasticised
- low viscosity
- rapid curing
- low tendency to yellowing

Appearance

- colour of the coloured quartz

Information/notes

- StoPma TC 200 is used as a binder to produce sealers and coatings in wet rooms

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Viscosity (at 23 °C)	DIN 53015	180 mPa.s	approx.
Shore hardness type D	DIN 53505	75	
Elongation at break	DIN 53455	2,7 %	
Density (mixture 23 °C)	DIN 51757	0,98 g/cm³	

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 and any laitance.

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 +5 °C, 3 K above the dew point Bond strength, average: 1.5 N/mm² Bond strength, lowest single value: 1.0 N/mm² Concrete or cementitious screed: - Test the compatibility with the respective substrate. - Additives and curing compounds can lead to incompatibility.
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. - Check the production batches on the label before starting work. Information about system-compatible PCC mortars is available from the StoCretec Technisches InfoCenter.
Application	
Application temperature	minimum temperature: +5 °C Maximum temperature: +30 °C
Time for application	At +20 °C: approx. 12 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: 3.0 weight per cent StoPma KAT 300 (30 g/kg binder)

+5 °C: 3.0 weight per cent StoPma KAT 300 (30 g/kg binder)

Material preparation	1) Stir the material. Note: The paraffin must spread evenly. 2) Add the 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	
	0,4 - 0,5	kg/m²

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	transparent sealer on slip-resistant, self-spreading, thin coating, 2-4 mm 1) Priming: StoPma GH 100 2) Coating: StoPma CS 500 3) Scatter: coloured quartz 0.7-1.2 mm 4) Sealing: StoPma TC 200

Application

transparently sealed, slip-resistant, self-spreading coating

1) Priming:
- StoPma GH 100

2) Coating:
- StoPma CS 500

3) scatter with coloured quartz

4) Sealing:
- StoPma TC 200, weight proportion in per cent: approx. 100 weight per cent
- Mix in the catalyst. weight proportion in per cent: approx. 1-3 weight per cent, depending on the temperature
- Pour the sealer onto the surface and distribute it immediately in a criss-cross pattern. Tools: roll
- consumption: in each case, approx. 0.4-0.5 kg/m²

- Note: If the sealer is pre-distributed with a rubber squeegee, then distribution must be very quick. Otherwise, streak-free application is not possible.

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Cleaning the tools	Clean with StoDivers EV 100 or StoCryl VV immediately after use. Leave tools to air-dry for 30 minutes before using again.
Notes, recommendations, special information, miscellaneous	1) 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	colour shade of the coloured sand, transparent
Packaging	tin pail

Article number	Name	Container
01427-002	StoPma TC 200	25 kg pail
01427-001	StoPma TC 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 See product packaging

Identification

Product group	Sealing coat
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.

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