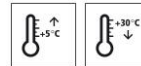


Technical Data Sheet

StoCrete TF 200

Fairing coat, polymer-modified, cementitious,
layer thickness of 2-5 mm



Characteristics

Area of application

- as a scratch coat and levelling coat for protecting and repairing concrete structures

Properties

- polymer-modified, cementitious fairing coat (PCC/RM)
- very good adhesive strength on a concrete or concrete repair product substrate
- very good application properties
- provides highly effective protection when exposed to ice and salt

Information/notes

- product is in accordance with EN 1504-3
- not suitable for surfaces subject to foot or vehicle traffic

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bulk density of fresh mortar	EN 1015-6	2.1 kg/dm ³	
Maximum particle size		0.8 mm	
Bond strength (28 days)	EN 1542	> 1.5 MPa	
Compressive strength	EN 12190	45 MPa	
Flexural strength	TP BE-PCC	9 MPa	
Static modulus of elasticity	EN 13412	18 GPa	

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 could interfere with adhesion, as well as from corrosion-promoting components (e.g. chlorides). Remove less strong layers and laitance.

Damp in accordance with the definition in the DAfStb (German) Repair Guideline 2001-10.

Average bond strength 1.3 N/mm²

Lowest single bond strength value > 0.8 N/mm²

Technical Data Sheet

StoCrete TF 200

Preparations

Prepare the concrete substrate using a suitable method in accordance with ZTV-ING Part 3, section 4. Open pores and blow-holes sufficiently.

Before applying StoCrete TF 200, seal any gaps or cavities in the area of the concrete substrate close to the surface in line with the regulations on concrete repair.

Sufficiently pre-wet the application surfaces before applying the filler (at least 24 hours before the first application cycle).

The application surfaces must, however, have dried enough by the time of applying the filler so that they still only appear slightly damp. The substrate must be damp as described in the DAfStb (German) Repair Guideline.

Application

Application temperature Lowest application temperature: +5 °C
Highest application temperature: +30 °C

Time for application At +5 °C: approx. 90 minutes
at +23 °C: approx. 45 minutes
at +30 °C: approx. 30 minutes

Mixing ratio 25 kg of material in accordance with the description / 3.45 - 4.00 l water = 1.0 : 0.138 - 0.16 parts by weight

Material preparation Compulsory mixer: decant water and add pre-blended dry mortar. Mix for approx. 2 minutes. Allow to mature for approx. 3 minutes. Remix for approx. 30 seconds.

Note:

If using hand-held paddle mixers, they should be counter-rotating and interlocking. Ensure that the mixing paddles of the mixer are at least 1/3 of the diameter and and at least 2/3 of the height of the mixing container.

If using single mixing paddles, these must have two stirring rings that act using the principle of countercurrent flow. The speed should be up to approx. 500 rpm.

Consumption

Type of application	Approx. consumption
per mm layer thickness	1.9 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

Multi-layer use as a scratch coat with a subsequent levelling coat:
1) Substrate preparation
2) Scratch coat of StoCrete TF 200

Technical Data Sheet

StoCrete TF 200

3) Levelling coat with StoCrete TF 200
Layer thickness: 2 - 5 mm

Application

1) Substrate preparation

2) Scratch coat

Apply StoCrete TF 200 by thinly scraping with a plastering trowel on the slightly damp concrete to close pores and cavities.

3) Fairing coat

Apply the PCC fairing coat StoCrete TF 200 either manually or by machine on to the fresh scratch coat. To ensure a good adhesive bond, always work wet on wet.

In the final step, smooth the surface. Rub out spatula strokes with a sponge in a fresh state; when doing so, do not add any more water.

Consumption: approx. 2.1 kg/m² and mm of layer thickness (mixed material)

4) Curing

Curing procedure:

- a) Cover with film or sheeting
- b) Spray with water
- c) Chemical curing

Under normal conditions, curing must last at least 3 days.

Note:

Chemical curing may only be carried out if the subsequent work is compatible with this.

A uniform colour shade of the fairing coat surface is not possible due to the application method.

The foil must not touch the surface of the fairing coat.

A key part of curing is to adequately pre-wet the concrete substrate before application of the fairing coat so that the substrate is water-saturated and the fresh fairing coat does not extract mixing water. The substrate must be "damp", as described in the section on substrate preparation in the DAfStb (German) Repair Guideline.

5) Application technique

For manual application, use a bucket trowel, spatula, or plastering trowel.

For application by machine, use a commercially available wet sprayer such as PFT-N2V and WM-Variojet.

Technical Data Sheet

StoCrete TF 200

Hose type: diameter 35 mm; conveying distance max. 40 m

Reprofiling sprayer with a 12 mm nozzle tube

Compressor performance: at least 3 m³/min

Mixing interruption at +25 °C: max. 30 min

Drying, curing, ready for next coat

At +20 °C and 65 % relative humidity, over-coatable with:
Coating OS 4 / 5: after 1 day

Cleaning the tools

Clean with water immediately after use. Hardened material can only be removed mechanically.

Notes, recommendations, special information, miscellaneous

The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter
General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

Delivery**Packaging**

sack

Article number**Name****Container**

00413-001

StoCrete TF 200

25 kg bag

Storage**Storage conditions**

Store in dry conditions.

Storage life

In the original container until ... (see packaging).
This product has a low chromate content.
The product quality is best guaranteed in its unopened original container until its shelf life has expired. The first digit of the batch number is the final digit of the year. The second and third digits indicate the calendar week. Example:
1450013223 - shelf life until end of calendar week 45 in 2021.
For further explanation, see the price list.

Identification**Product group**

Fairing coat

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
You will receive an EU Safety Data Sheet with your first order.
Please observe the information regarding the handling of the product, its storage, and disposal.

Technical Data Sheet

StoCrete TF 200

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
Fax: +49 6192 401-105
stocretec@sto.com
www.stocretec.de