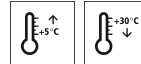


Technical data sheet

StoCrete TH 200

Bonding agent, polymer-modified, cementitious



Characteristics

Areas of application

- as a bonding agent
- to ensure a permanent bond between the concrete substrate and the subsequent concrete repair system

Properties

- polymer modified, cementitious bonding agent (PCC), very good adhesive strength on a concrete substrate

Information/notes

- component of the StoCretec system in accordance with the DAfStb (German) Repair Guideline 2001-10
- product is in accordance with EN 1504-3

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Apparent density of fresh mortar	EN 1015-6	1.9 kg/dm ³	
Tensile strength (28 days)	EN 1542	> 2.0 MPa	

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that 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

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substances that have a separating action, as well as from corrosion-promoting components (e.g. chlorides). Remove less solid layers and laitance.

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

The cleanliness grade of the exposed reinforcing steel following substrate preparation: Sa 2 1/2 in accordance with EN ISO 8501-1.

Average tensile bond strength 1.5 N/mm²
Tensile bond strength of the single smallest value 1.0 N/mm²

Preparations

Prepare the substrate using a suitable mechanical process, such as abrasive blasting or high-pressure water blasting (> 800 bar).
Open pores and blow-holes sufficiently.

Bevel the edges of the areas of spalling under approx. 45°.

Note:

Rework any treated surfaces using a suitable process (abrasive blasting) if the substrate preparation process has led to joint faults in the area of the remaining old concrete close to the surface. These can result from chiselling, knocking, milling, or flame cleaning.

Application

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

Processing time At +5 °C: approx. 90 minutes
At +23 °C: approx. 60 minutes
At +30 °C: approx. 45 minutes

Mixing ratio 25 kg of material in accordance with the description / 5.75 - 6.25 l water = 1.0 :
0.23 - 0.25 parts by weight

Material preparation Compulsory mixer: decant water and add pre-blended dry mortar. Stir for approx. 2 minutes, allow to mature for approx. 3 minutes, and then stir again for approx. 30 seconds.

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

Execution

Approx. consumption

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1.6

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 procedure

- 1) Substrate preparation
- 2) Corrosion protection with StoCrete TK (for exposed reinforcement)
- 3) StoCrete TH 200 bonding agent
- 4) Concrete repair product/PCC screed with StoCrete LE or StoCrete TG 104, StoCrete TG 108, StoCrete TG 202, StoCrete TG 203, StoCrete TG 204

Application

by paint brush, brush

- 1) Substrate preparation
- 2) Corrosion protection
- 3) Bonding agent

Sufficiently wet the concrete substrate before applying StoCrete TH 200 (about 24 hours before the first application cycle).

At the time of application, however, the concrete substrate must be dry to the point that it just appears slightly damp.

Apply the StoCrete TH 200 bonding agent with pressure using a suitable tool such as a paint brush or brush.

Remove any cured bonding agent by abrasive blasting and renew it.

Consumption approx. 1.6 kg/m² dry material

- 4) Concrete repair product/PCC screed

Then apply the already-mixed mortar (StoCrete LE or StoCrete TG 104, StoCrete TG 108, StoCrete TG 202, StoCrete TG 203, StoCrete TG 204) to the fresh bonding agent in accordance with the relevant Technical Data Sheet. To ensure a good adhesive bond, always work wet on wet.

Cleaning the tools

Clean tools with water immediately after use.

Indications, recommendations, special information, miscellaneous

The Declaration(s) of Conformity can be obtained from the StoCretec Technical Information Centre
General application instructions can be found at www.stocretec.de (Products) and in the latest issue of the "Technical Data Sheets" manual, in the appendix.

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StoCrete TH 200

Delivery

Packaging sack

Article number	Designation	Container
00416-001	StoCrete TH 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. We guarantee this property until maximum storage life expires. Please observe the guaranteed storage life data on the batch no. shown on the container.

Explanation of batch number: e.g. 9450013223

In the example, storage life until the end of week 45 in 2009 (digit 1 = last digit of the year, digits 2 + 3 = calendar week) is guaranteed. For further explanation, see the price list.

Certificates/approvals

P 5817/09-360	StoCretec PCC II.1 System General building inspection test certificate
ZERT 9 I 10/601	StoCretec PCC II.1 System Certificate of Compliance
P-56.1-9903	Concrete replacement system "Sto Ingenieurbausystem" General building inspection test certificate
ZERT 9 I 09/557	"Sto Ingenieurbausystem" Certificate of Compliance
P 5031/07-331	Sto Ingenieurbausystem 3 General building inspection test certificate
ZERT 9 I 08/523	Sto Ingenieurbausystem 3 Certificate of Compliance

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Identification

Product group Bonding agent

Safety

This product is subject to compulsory designation in accordance with the current EU directive.
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.

Special notes

The information or data 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. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation. Where no approval is given, such applications are at the risk of the user. This applies particularly to combinations 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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