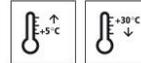


Technical Data Sheet

StoCrete BE Bonding Agent

Bonding agent, polymer-modified, cementitious



Characteristics

Area 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
- very good adhesive strength on a concrete substrate

Information/notes

- product is in accordance with EN 1504-3

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bulk density of fresh mortar	EN 1015-6	1,9 kg/dm ³	
Bond strength (28 days)	EN 1542	> 2,0 MPa	

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 ZTV-ING

Preparation grade of the exposed reinforcing steel after substrate preparation: Sa 2½ in accordance with EN ISO 8501-1.

Average bond strength: 1.5 N/mm²

Bond strength, lowest single 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°.

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Application

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

Time for application At +10 °C: approx. 90 minutes
At +23 °C: approx. 60 minutes
At +30 °C: approx. 40 minutes

Mixing ratio 20 kg of material in accordance with the description/5.6 - 6.0 l water = 1.0 : 0.28 - 0.3 parts by weight

Material preparation Decant water, then add the pre-blended dry mortar.
Mix for approx. 2 minutes. Allow to mature for approx. 3 minutes. Remix for approx. 30 seconds.

as bonding agent	1,9	kg/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) Substrate preparation
2) bonding agent with StoCrete BE bonding agent
3) reprofiling/PCC screed with StoCrete BE mortar, coarse

Application

1) Substrate preparation
Derust the exposed reinforcing steel in accordance with DIN EN ISO 12944-4 up to preparation grade Sa 2½. The derusted reinforcing steel must be free from dust and grease.

2) Bonding agent
Pre-wet the concrete substrate sufficiently before applying the StoCrete BE bonding agent (about 24 h before the first application cycle).
The concrete substrate must, however, have dried sufficiently by the time of application so that it only appears slightly damp.

Apply the StoCrete BE bonding agent using a suitable tool such as a paint brush or brush.

Remove any cured bonding agents by abrasive blasting and renew them.
Consumption approx. 1.9 kg/m² kg/m² (dry material)

3) Reprofiling/PCC screed
After that, apply the already-mixed mortar StoCrete BE mortar, coarse on to the fresh bonding agent in accordance with the Technical Data Sheets. To ensure a good adhesive bond, always work wet on wet.

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Cleaning the tools Clean with water immediately after use; hardened material can only be removed mechanically.
Observe environmental protection.

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
14056-003	StoCrete BE Haftbrücke	20 kg bag

Storage

Storage conditions Store in dry conditions.

Storage life See product 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 Bonding agent

GISCODE ZP1

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.

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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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