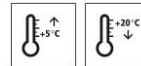


Technical Data Sheet

StoCrete TM

Quick repair mortar, polymer-modified,
cementitious, layer thickness of 2-40 mm



Characteristics

Area of application

- as concrete repair product for touching up precast concrete elements (ceilings, walls, pipes, inspection shafts, gutters, etc.)
- to quickly re-close drill holes
- for the formation of fillets and edge reprofiling

Properties

- polymer-modified, cementitious, repair mortar (PCC / RM)
- very good adhesive strength on a concrete substrate
- no separate tack coat necessary
- enables quick return to service after repair
- impermeable to water
- resistant to salt and frost
- sulphate-resistant

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	2.0 kg/dm ³	
Maximum particle size		0.8 mm	
Bond strength (28 days)	EN 1542	> 1.5 MPa	
Compressive strength	EN 12190	46 MPa	
Flexural strength	TP BE-PCC	8 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.

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

The preparation grade of the exposed reinforcing steel following substrate preparation: Sa 2½ - metallic bright in accordance with DIN EN ISO 12944, Part 4 (replacement for DIN 55928, Part 4) for coating the reinforcement with protection against corrosion.

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°.

Application

Application temperature

Lowest application temperature: +5 °C
Highest application temperature: +20 °C

Time for application

Temperature-dependent for approx. 10 - 15 minutes.

Mixing ratio

15 kg material / approx. 2.55 water = 1.0 : 0.17 parts by weight

Material preparation

Decant StoCrete TM into a clean container and slowly mix with fresh, clean water. First mix the dry mortar with a small amount of mixing liquid, until the powder is wetted. It is then possible to adjust the consistency by adding more mixing liquid.

Consumption

Type of application

Approx. consumption

per litre of cavity

2.0

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

1) StoCrete TM as a bonding agent
2) StoCrete TM "wet-on-wet" in mortar consistency
Layer thickness: 2 - 40 mm

Application

StoCrete TM is workable for approx. 10 - 15 minutes depending on the temperature.

During application and over the subsequent 24 hours, the temperature of the

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building element may not fall below +5 °C.

1) Apply StoCrete TM as a bonding agent in slurry consistency to the damp substrate using a suitable tool such as paint brush or brush.

2) Apply StoCrete TM wet-on-wet in mortar consistency to the freshly applied bonding agent and compact.

Apply using a mason's trowel and square trowel. Then compact it by tamping and then rework the surface using a plasterer's float.

Cleaning the tools	Clean tools with water immediately after use.
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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.
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Delivery

Packaging	pail
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Article number	Name	Container
14257-001	StoCrete TM	15 kg pail

Storage

Storage conditions	Store in dry conditions.
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Storage life	In the original container until ... (see packaging).
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Identification

Product group	Repair mortar
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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

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StoCrete TM

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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