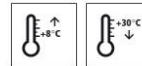


Technical Data Sheet

StoCrete FS

Coating, cement-modified, waterproofing,
polymer components



Characteristics

Properties

- flexible
- good adhesion
- waterproof against water pressure
- root-resistant
- rot-resistant
- very good resistance to flow on vertical and sloping surfaces

Information/notes

- not suitable for surfaces subject to foot and vehicle traffic

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1,1 - 1,3 g/cm ³	
Water permeability rate w	EN 1062-1	< 0,05 kg/(m ² h ^{0.5})	
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783	5.700	average value
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 dry, load-bearing and free from native and foreign substances that have a separating action, 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 1.0 N/mm²
Bond strength of the single smallest value 0.6 N/mm²

Preparations

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

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Open pores and blow-holes sufficiently.

Seal any gaps or cavities in the area of the concrete substrate close to the surface, in line with the rules of concrete repair..

Application		
Application temperature	Lowest application temperature: +8 °C Highest application temperature: +30 °C	
Time for application	At +20 °C and 65 % relative air humidity approx. 2 hours	
Mixing ratio	StoCrete FS (fluid) / Cement CEM I 32.5 = 1.0 : 1.0 parts by weight	
Material preparation	Decant StoCrete FS (fluid) into a clean mixing container and add the same amount of cement CEM I 32.5, CEM II A/LL, or CEM II B/LL (mixing ratio 1:1), and carefully mix with a mixing paddle until a homogeneous mass is achieved.	
Consumption	Approx. consumption	
	3,0 - 4,0	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	1) Substrate preparation 2. Stippling or pre-slurrying for sealing pores and cavities. 3. Applying StoCrete FS	
Application	1) Substrate preparation 2) Reprofiling (optional) Any gaps or cavities in the area of the concrete substrate close to the surface must be sealed in line with the norms of concrete repair prior to the application of StoCrete FS. The concrete substrate must be sufficiently wetted before applying StoCrete FS (first time about 24 hours beforehand). At the time of application, however, it must be dry to the point that it just appears slightly damp. 3) Mineral filler, flexible manual application: when applying manually, apply StoCrete FS for blow-hole and pore sealing, using a scratch coat or pre-slurrying, and as a coating, with a bucket trowel, spatula, and a plastering trowel or block brush. consumption: 3-4 kg mixed material for 2 application cycles and a layer thickness of approx. 2 mm As waterproofing for approx. 70 m water depth with an average layer thickness of 4 mm, approx. 8 kg/m ² mixed material in several application cycles, waiting time between the individual application cycles 48 hours	

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Cleaning the tools	Clean with water after use. Collect cleaning water/rinsing water and dispose of it professionally. Remove bonded material by mechanical means.
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Notes, recommendations, special information, miscellaneous	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
	01763-001	StoCrete FS	18 kg pail

Storage

Storage conditions	Store in dry conditions.
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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.
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Identification

Product group	Coating
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GISCODE	BSW20
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Safety	For further information on handling the product, its storage and disposal, see EU Safety Data Sheet. The EU Safety Data Sheet is available for the professional user.
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Technical Data Sheet

StoCrete FS

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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