

Coating, cement-modified, crack-bridging



Area of application       • as a crack-bridging coating for the protection of concrete structures cracking (concrete and reinforced concrete)         • for use in facilities for storing, filling, and transferring liquids hazarde         • as a waterproofing slurry for the waterproofing of buildings	at risk of ous to water
Properties       • polymer-modified, cementitious coating         • structurally and dynamically crack-bridging         • prevents the ingress of water and harmful substances dissolved in the regulates the moisture balance         • increases electrical resistivity         • very good adhesive bond         • good carbon dioxide impermeability (Sd value for CO2 > 50 m)         • good water vapour diffusion capacity (Sd value for H2O < 4 m)         • watertight up to 3 bar         • high resistance to fuels, heating oil, used and new combustion engingearbox oils, as well as transformer and isolating oils         • application: with a smoothing trowel, with an airless sprayer	water ine oils and
Information/notes       • product is in accordance with EN 1504-2         • not suitable for surfaces subject to foot or vehicle traffic         • component of the StoCretec system in accordance with the DAfStb         Repair Guideline 2001-10         • surface protection system OS 5b (OS D I)         • use on areas with rising damp on request	German)

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.61 - 1.71 g/cm³	
Diffusion-equivalent air layer thickness	EN ISO 7783	3.0 m	V3 low
Water permeability rate w	EN 1062-1	< 0.1 kg/(m²h <sup>0,5</sup> )	W3 low
Water vapour diffusion- equivalent air layer thickness µ	EN ISO 7783	1,350	average value



	Bond strength (28 day	s)	> 1.0 MPa		
	Gloss	EN 1062-1	Matt	G3	
	Grain size	EN 1062-1	< 500 µm	S3 coarse	
Substrate	The characteristic va the natural raw mate same delivery batch intended use.	alues stated are average erials in our products, the ; this does not affect the s	values or approxir stated values can suitability of the pr	nate values. Due to vary slightly in the oduct for its	
Requirements	Requirements on the substrate: The substrate must be sufficiently wetted before applying the first layer (first time about 24 hours beforehand).				
	At the time of application	ation the substrate must h	ave dried until it is	s slightly damp.	
	Substrate temperature higher than +8 °C and 3 K above dew point. Average bond strength 1.0 N/mm <sup>2</sup> Bond strength of the single smallest value 0.6 N/mm <sup>2</sup>				
Preparations	Prepare the substrate using a suitable mechanical process such as shot-blasting milling and then shot-blasting, or abrasive blasting. Open pores and blow-holes sufficiently.			n as shot-blasting,	
	Remove less strong layers and laitance. Seal all gaps and cavities in line with the rules of concrete repair. Complete interior edges as fillets in containers, secondary containment tanks, and secondary containment rooms.				
Application					
Application temperature	Lowest application to Highest application to relative humidity: ma	emperature: +8 °C emperature: +30 °C ax. 80 %			
Time for application	At +10 °C: approx. 1 At +20°C: approx. 12 At +30°C: approx. 90	80 minutes 20 minutes 0 minutes			
Mixing ratio	Component A (fluid)	: component B (powder fo	rm) = 1.0 : 1.0 pa	rts by weight	
Material preparation	First put component A (dispersion) and then component B (powder componer into a clean container.			der component)	
	Mix thoroughly using Allow to mature for a	a slow-running paddle m approx. 3 minutes and the	ixer (approx. 2 mi n stir again for ap	nutes at 300 rpm). prox. 30 seconds.	
Consumption	Type of application		Approx.	consumption	

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	Mixed material (roughness depth = 0.2 mm)	4.5	kg/m²			
	Mixed material (roughness depth = 0.5 mm)	4.7	kg/m²			
	Mixed material (roughness depth = 1.0 mm)	5.1	kg/m²			
	Material consumption depends on the application among other factors. The stated consumption val guide. If required, determine precise consumption specific project.	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	<ul> <li>coating build-up OS 5b (OS D I)</li> <li>1) Substrate preparation</li> <li>2) Scratch coat of StoCrete FB</li> <li>3) Coating of StoCrete FB</li> <li>4) Coating of StoCrete FB</li> </ul>					
	Coating build-up for facilities for storing, bottling, hazardous to water (LAU) in accordance with the Crack bridging 0.2 mm and 0.5 mm 1) Substrate preparation 2) Scratch coat of StoCrete FB 3) Coating of StoCrete FB 4) Coating of StoCrete FB	and processing s approval princip	substances les of the DIBt			
	coating build-up of mineral waterproofing slurry for building waterproofing 1) Substrate preparation 2) Scratch coat of StoCrete FB 3) Coating of StoCrete FB 4) Coating of StoCrete FB					
Application	coating build-up OS 5b (OS D I) 1) Substrate preparation Pre-wet the concrete substrate sufficiently before first time approx. 24 h beforehand). The concrete substrate must, however, have drie applying the scratch coat so that it still only appea 2) Scratch coat of StoCrete FB	applying the scr d sufficiently by t ars slightly damp	atch coat (for the he time of			
	Apply/process the scratch coat using a suitable to finishing trowel. Consumption: approx. 1.0 kg/m <sup>2</sup>	ool such as a squ	are trowel or			
	At the earliest after 3 hours					
	3) Coating of StoCrete FB Consumption: approx. 1.5 kg/m <sup>2</sup>					

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At the earliest after 6 hours

4) Coating of StoCrete FB Consumption: approx. 2.0 kg/m <sup>2</sup> Waiting time until resistant to rain and humidity: at +10 °C: after approx. 24 hours at +20 °C: after approx. 18 hours at +30 °C: after approx. 12 hours
Depending on the roughness depth, a higher consumption may be necessary to obtain the necessary total layer thickness Roughness depth 0.5 mm: additional consumption 200 g/m <sup>2</sup> Roughness depth 1.0 mm: additional consumption 600 g/m <sup>2</sup>
For more detailed information, please refer to the specifications on StoCretec OS 5b.1
Coating build-up - LAU facilities in accordance with the approval principles of the DIBt Crack bridging 0.2 mm 1) Substrate preparation Pre-wet the concrete substrate sufficiently before applying the scratch coat (for the first time approx. 24 h beforehand). The concrete substrate must, however, have dried sufficiently by the time of applying the scratch coat so that it still only appears slightly damp.
<ul> <li>2) Scratch coat of StoCrete FB</li> <li>Apply/process the scratch coat using a suitable tool such as a square trowel or finishing trowel.</li> <li>Consumption: approx. 1.0 kg/m<sup>2</sup></li> <li>At the earliest after 3 hours</li> </ul>
3) Coating of StoCrete FB Consumption: approx. 1.0 kg/m <sup>2</sup>
At the earliest after 6 hours
4) Coating of StoCrete FB Consumption: approx. 1.5 kg/m <sup>2</sup> Waiting time until resistant to rain and humidity: at +10 °C: after approx. 24 hours at +20 °C: after approx. 18 hours at +30 °C: after approx. 12 hours

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Further, more detailed information can be found in the national technical approval Z-59.12-336

Coating build-up - LAU facilities in accordance with the approval principles of the DIBt

Crack bridging 0.5 mm

Substrate preparation
 Pre-wet the concrete substrate sufficiently before applying the scratch coat (for the first time approx. 24 h beforehand).
 The concrete substrate must, however, have dried sufficiently by the time of

applying the scratch coat so that it still only appears slightly damp.

2) Scratch coat of StoCrete FB
Apply/process the scratch coat using a suitable tool such as a square trowel or finishing trowel.
Consumption: approx. 1.0 kg/m<sup>2</sup>
At the earliest after 3 hours

3) Coating of StoCrete FB Consumption: approx. 1.5 kg/m<sup>2</sup> At the earliest after 6 hours

4) Coating of StoCrete FB Consumption: approx. 2.0 kg/m<sup>2</sup> Waiting time until resistant to rain and humidity: at +10 °C: after approx. 24 hours at +20 °C: after approx. 18 hours at +30 °C: after approx. 12 hours

Depending on the roughness depth, a higher consumption may be necessary to obtain the necessary total layer thickness Roughness depth 0.5 mm: additional consumption 200 g/m<sup>2</sup> Roughness depth 1.0 mm: additional consumption 600 g/m<sup>2</sup>

Further, more detailed information can be found in the national technical approval Z-59.12-336

coating build-up of mineral waterproofing slurry for building waterproofing 1) Substrate preparation Pre-wet the concrete substrate sufficiently before applying the scratch coat (for the first time approx. 24 h beforehand). The concrete substrate must, however, have dried sufficiently by the time of applying the scratch coat so that it still only appears slightly damp.

2) Scratch coat of StoCrete FB Apply/process the scratch coat using a suitable tool such as a square trowel or



	Article number	Name	Container
Packaging	Pail and sack		
Colour shade	grey		
Delivery			
	StoCrete FB is delive	red in the agreed u	nits to the mixing ratio (A/B).
	The minimum materia	al consumption is de	fined by the tested system!
Notes, recommendations, special information, miscellaneous	The declaration(s) of Technisches InfoCen General application ir of the latest Technica	performance can bo ter Istructions are avail I Manual.	e obtained from the StoCretec able at www.stocretec.de and in the notes
Cleaning the tools	After every work inter	ruption, clean tools	and working equipment using water.
	Further, more detaile certificate P 1763/02-	d information can bo 149	e found in the national technical test
	Depending on the rou obtain the necessary Roughness depth 0.5 Roughness depth 1.0	ighness depth, a high total layer thickness mm: additional cor mm: additional cor	gher consumption may be necessary to s nsumption 200 g/m² nsumption 600 g/m²
	Waiting time until resi at +10 °C: after appro at +20 °C: after appro at +30 °C: after appro	istant to rain and hu bx. 24 hours bx. 18 hours bx. 12 hours	midity:
	<ol> <li>Coating of StoCret Consumption: approx</li> </ol>	e FB 2.0 kg/m²	
	At the earliest after 6	hours	
	<ol> <li>Coating of StoCret Consumption: approx</li> </ol>	e FB 1.5 kg/m²	
	At the earliest after 3	hours	
	finishing trowel. Consumption: approx	. 1.0 kg/m²	



	00419/011	StoCrete FB Set	40 kg set		
Storage Storage conditions	Component A (disp Component B (pov	persion) cool and frost-free vder component) cool and dry			
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.				
Certificates/approvals					
	Z-59.12-336	Coating system StoCrete	e FB in LAU facilities		
Identification					
Product group	Coating				
Safety	This product is sul regulation. You will receive a Please observe th and disposal.	oject to compulsory labelling in a n EU Safety Data Sheet with yo e information regarding the han	accordance with the current EU ur first order. Idling of the product, its storage,		
Special notes	The information in th its suitability for use, responsible for estat	is Technical Data Sheet serves to e and is based on our findings and e blishing the product's suitability and	ensure the product's intended use, or xperience. Users are nevertheless use.		
	Applications not spe	cifically 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.



StoCrete FB

	OS 5 b (OS D I)	LAU		DIN 18195
Rissüberbrückung		0,2 mm	0,5 mm	[[
	[Kg/m²]	[Kg/m²]	[kg/m²]	[Kg/m²]
Kratzspachtelung*)	1,0	1,0	1,0	1,0
1. Beschichtung	1,5	1,0	1,5	1,5
2. Beschichtung	2,0	1,5	2,0	2,0

*) Kratzspachtelung bei	
Rautiefe 0,2 mm	1,0
Rautiefe 0,5 mm	1,2
Rautiefe 1,0 mm	1,6

StoCrete FB table

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