

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

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Area of application	• as non-sag repair mortar for reprofiling, touching up, and filling recesses and		
	spalling in screeds and concrete		
	 for producing fillets and laying to falls 		
	 to obtain level surfaces of height variations and uneven falls 		
Properties	 polymer-modified, cementitious concrete repair product (PCC) 		
	 very good adhesive strength on a concrete substrate 		
	 very good resistance to flow 		
	 no separate bonding agent necessary 		
	• quick-curing		
	 can be quickly over-coated 		
	 impermeable to water 		
	 resistant to salt and frost 		
Information/notes	product is in accordance with EN 1504-3		
	 no separate bonding agent necessary 		

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	(28 days)
Compressive strength (28 days)	EN 12190	40 - 50 MPa	(28 days)
Flexural strength (28 days)	TP BE-PCC	7 - 9 MPa	(28 days)
Static modulus of elasticity (28 days)	EN 13412	22 - 26 GPa	(28 days)

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 an release agents, as well as from corrosion-promo Remove weak layers and laitance.		
	Damp in accordance with the definition in the D 2001-10.	AfStb (German) Repa	air Guideline
	The preparation grade of the exposed reinforcir preparation: Sa 2½ - metallic bright in accordar (replacement for DIN 55928, Part 4) when coati protection against corrosion	nce with DIN EN ISO	12944, Part 4
	Average bond strength 1.5 N/mm ² Lowest single bond strength value 1.0 N/mm ²		
Preparations	Substrate preparation: Prepare the substrate using a suitable mechani blasting or high-pressure water blasting (> 800 sufficiently.		
	Bevel the edges of the areas of spalling under a	approx. 45°.	
Application			
Application temperature	Lowest application temperature: +5 °C Highest application temperature: +30 °C		
Time for application	Temperature-dependent for approx. 10 - 15 mir	nutes.	
Mixing ratio	15 kg of material in accordance with the descrip 0.16 - 0.17 parts by weight	otion / 2.4 - 2.55 I of w	vater = 1.0 :
Material preparation	Decant water first and add the pre-blended dry Allow to mature for approx. 3 minutes. Remix for		
Consumption	Type of application	Approx. cons	sumption
	per mm layer thickness	2.0	kg/m²
	Material consumption depends on the application among other factors. The stated consumption v guide. If required, determine precise consumption specific project.	alues are only to be ι	used as a
Coating build-up	 Substrate preparation Protection against corrosion with StoCrete TH Bonding agent StoCrete RM F Reprofiling with StoCrete RM F 	K (for exposed reinfor	rcement)



	Local reprofiling 2 40 mm
	Local reprofiling 2 - 40 mm Filling over an area 2 - 20 mm
Application	1) Substrate preparation Derust the exposed reinforcing steel in accordance with DIN EN ISO 12944-4 up t preparation grade Sa 2½. The derusted reinforcing steel must be free from dust and grease.
	 2) Corrosion protection Derust the reinforcing steel in accordance with DIN EN ISO 12944, part 4. Then immediately coat it with StoCrete TK in two application cycles. Use a paint brush t coat the reinforcement steels evenly and without gaps. Waiting time between the two application cycles is 4.5 hours. The protection against corrosion must have hardened on the reinforcing steel to an extent that it cannot be loosened from the reinforcing steel during the next application cycle.
	Application cycle 1: StoCrete TK grey, consumption approx. 130 g/m for single application Ø up to 18 mm Application cycle 2: StoCrete TK light grey, consumption approx. 140 g/m for single application Ø up to 18 mm
	or Application cycle 1: StoCrete TK grey, consumption approx. 150 g/m for single application Ø above 18 mm Application cycle 2: StoCrete TK light grey, consumption approx. 160 g/m for single application Ø above 18 mm
	3) Reprofiling Sufficiently pre-wet the concrete substrate before applying the product. At the time of application, however, the concrete substrate must be dry to the point that it just appears slightly damp.
	Pre-fill the local areas of spalling with StoCrete RM F, then carry out reprofiling we on wet. Apply manually using a mason's trowel, spatula, or square trowel. To ensure a good adhesive bond, always work wet on wet.
	Please note: When the reaction or stiffening has started, do not dilute StoCrete RM F any more with water. Layer thickness of StoCrete RM F: 2 - 40 mm Consumption of reprofiling mortar: approx. 20 kg/m ² per cm of spalling depth/layer thickness (mixed material)



	 4) Filling over a large area If using as a fine filler over a large area, apply a scratch coat to seal pores and blow-holes, then apply StoCrete RM F as a filler wet on wet in the corresponding layer thickness. To ensure a good adhesive bond, always work wet on wet. In the final step, smooth the surface. Rub out spatula strokes with a sponge; when doing so, do not add any more water. Layer thickness of StoCrete RM F: 2 - 20 mm Consumption of reprofiling mortar: approx. 20 kg/m² per cm of spalling depth/layer thickness (mixed material) 5. Subsequent treatment Subsequent treatment procedure: a) Cover with sheets or mats b) Spream with water
	b) Spray with waterc) Chemical subsequent treatment
	Under normal conditions, the time for subsequent treatment to be observed is at least 3 days. Observe the relevant standard DIN 1045-3:2012-03, the B8 data sheet "Nachbehandlung und Schutz des jungen Betons" (4.2014) published by the Verein Deutscher Zementwerke e.V., and ZTV-ING (2014/12) (available in German only).
	Note: Chemical curing may only be carried out if subsequent work is compatible with this. A uniform colour shade of the mortar surface is not possible due to the application method. The film must not touch the surface of the mortar.
	A key part of curing is adequately wetting the concrete substrate before applying the mortar, so that the substrate is water-saturated and the fresh mortar does not extract mixing water. Observe the explanations in ZTV-W LB 219 (2013) (German only).
Drying, curing, ready for next coat	At +20 °C and 65 % relative humidity, over-coatable with: Acrylic floor paint e.g. StoCryl BF 100: 4 h EP water-based coating material e.g. StoPox WL 200, StoPox MS 200: 4 h
Cleaning the tools	Clean with water immediately after use; hardened material can only be removed mechanically.
Notes, recommendations, special information, miscellaneous	The Declaration(s) of Conformity can be obtained from the StoCretec Technisches InfoCenter 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.



Packaging	Pail		
	Article number	Name	Container
	09459-001	StoCrete RM F	15 kg pail
Storage			
Storage conditions	Store in dry condition	S.	
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. 6050017152In this example, storage life until the end of week 05 in 2016 is guaranteed (digit 1 = last digit of the year, digits $2 + 3 =$ calendar week). For further explanation, see the price list.		

Identification		
Product group	Repair mortar	
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.	



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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