

Repair mortar, sulphate-resistant, polymermodified, cementitious, layer thickness 6-30 mm CE

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F+30°C
15 *
0

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-10	REP.
	StoCrete 162
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Area of application	 as concrete repair product for the repair of concrete structures (concrete and 		
	reinforced concrete)		
	 for extremely aggressive water, e.g. in wastewater management, wastewater 		
	treatment plants		
Properties	 polymer-modified, cementitious concrete repair product (PCC / RM) 		
	 very good adhesive strength on a concrete substrate 		
	 good application overhead 		
	 very good non-sag properties 		
	 provides highly effective protection when exposed to ice and salt 		
	 resistant to water containing sulphuric acid, ammonium, and sulphate in line with 		
	exposure class XA3 in accordance with EN 206-1:2001-07		
Information/notes	product is in accordance with EN 1504-3		
	• class R 4		
	 as concrete repair mortar for extremely aggressive sulphate-laden water in 		
	accordance with DIN 4030-1:2008-06		

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bulk density of fresh mortar	EN 1015-6	2,2 kg/dm ³	
Maximum particle size		2 mm	
Bond strength (28 days)	EN 1542	> 2,0 MPa	
Compressive strength	EN 12190	58 MPa	
Flexural strength	TP BE-PCC	10 MPa	
Static modulus of elasticity	EN 13412	20 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 adhesi components (e.g. chlorides). Remove less		
	Damp in accordance with the definition in the 2001-10. Preparation grade of the exposed reinforcir		
	$2\frac{1}{2}$ in accordance with EN ISO 8501-1.	ng steel alter substrate p	
	Average bond strength: 1.5 N/mm² Bond strength, lowest single value: 1.0 N/m	nm²	
Preparations	Prepare the substrate using a suitable mec blasting or high-pressure water blasting (> Open pores and blow-holes sufficiently.		abrasive
	Bevel the edges of the areas of spalling un	nder approx. 45°.	
	Note: Rework any treated surfaces using a suitab substrate preparation process has led to jo existing concrete close to the surface. The milling, or flame cleaning.	pint faults in the area of th	e remaining
Application			
Application temperature	Lowest application temperature: +5 °C Highest application temperature: +30 °C		
Time for application	At +5 °C: approx. 90 minutes At +23 °C: approx. 60 minutes At +30 °C: approx. 45 minutes		
Mixing ratio	25 kg of material in accordance with the de - 0.12 parts by weight	escription / 2.75 - 3.0 I wa	ter = 1.0 : 0.11
Material preparation	Compulsory mixer: decant water and add p minutes. Allow to mature for approx. 3 minutes		
	If using hand-held paddle mixers, they should be counter-rotating and interlocking. Ensure that the mixing paddles of the mixer are at least 1/3 of the diameter and and at least 2/3 of the height of the mixing container.		
	If using single mixing paddles, these must I principle of countercurrent flow. The speed		
Consumption			500 rpm.

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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	 Substrate preparation Protection against corrosion: StoCrete TK (in case of exposed reinforcement) Mineral bonding agent with StoCrete TH 250 Concrete repair with StoCrete TG 252 Fine filler using StoCrete TF 250 Layer thickness: 6 - 30 mm, partially up to 100 mm Higher layer thicknesses are possible due to multi-layer work.
Application	apply with a plastering trowel
	1) Substrate preparation
	 2) Protection against corrosion Immediately after derusting of the reinforcing steel in accordance with EN ISO 12944, Part 4, coating with StoCrete TK is carried out in two application cycles. The reinforcing steels are coated uniformly without gaps using a paint brush.
	Waiting time between the two application cycles is 4.5 hours. The protection against corrosion must be sufficiently hardened on the reinforcing steel so that it cannot detach from the reinforcing steel during the second application cycle.
	First application cycle: StoCrete TK grey Consumption approx. 130 g/m one-time application Ø to 18 mm Second application cycle: StoCrete TK light grey consumption approx. 140 g/m one-time application Ø to 18 mm or
	First application cycle: StoCrete TK grey consumption approx. 150 g/m one-time application Ø above 18 mm Second application cycle: StoCrete TK light grey consumption approx. 160 g/m one-time application Ø above 18 mm
	 3) Mineral bonding agent Sufficiently pre-wet the concrete substrate before applying StoCrete TH 250 (about 24 hours before the first application cycle). However, when applying the product, the concrete substrate must be dry enough that it appears only slightly damp.
	Apply the StoCrete TH 250 bonding agent using a suitable tool such as a paint brush or brush. Remove any cured bonding agent by blasting abrasive and renew it.



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~	00720-001	StoCrete TG 252	25 kg bag
Storage Storage conditions	Store in dry condit	iono	
Storage conditions	Store in dry condit		
Storage life	This product has a The product qualit shelf life has expir year. The second	ainer until (see packaging). low chromate content. y is best guaranteed in its unope ed. The first digit of the batch nu and third digits indicate the caler If life until end of calendar week he price list.	mber is the final digit of the ndar week. Example:
Certificates/approvals	071102_Kf	Testing ammonium and s	sulphate resistance
	070605_Kf	Acid resistance testing	
dentification Product group	Repair mortar		
GISCODE	ZP1		
	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.		
Safety	regulation. You will receive a Please observe th	n EU Safety Data Sheet with you	ur first order.



StoCretec GmbH Gutenbergstr. 6 D-65830 Kriftel

Tel.: +49 6192 401-104 Fax: +49 6192 401-105 stocretec@sto.com www.stocretec.de

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