


Technical Datasheet

CreNovate FCRM-BA SR



Bonding agent for subsequent concrete repair mortars and corrosion protection for embedded steel reinforcing bars

Characteristics

	Area of use	Properties
	<ul style="list-style-type: none"> • Certified according to EN 1504-7 • Indoor and outdoor • Increase insufficient concrete coverage 	<ul style="list-style-type: none"> • Active corrosion inhibitors for protection of embedded steel reinforcement • High tensile adhesive strength • High sulphate resistance • Grey colour

Technical Data




Adhesive tensile strength 28 d	≥ 2 N/mm ²	EN 1542
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The provided values represent typical characteristics of the product and should not be interpreted as binding product specifications.

Characteristics

Consistency	Powder
Number of Components	1
Grain size	≤ 1 mm
Wet mortar density	1,8 kg/l
Colour	Grey
Shelf life	Min. 12 months when stored dry, permanent stored < 30 °C and unopened
Packaging	25 kg PE bag
GISCODE	ZP1
Part No.	574212

Processing

Processing temperature (Material, air and substrate)	5 °C to 30 °C
Mixing ratio mortar	 5 - 5.2 l water per 25 kg bag
Mixing ratio 1 kg	 0.2 - 0.21 l water per kg
Mixing time	 3 min

Working time*	60 min	
Wet mortar consumption per 1 mm thickness	1,8 kg/m ²	
Dry mortar consumption per 1 mm thickness	1,5 kg/m ²	
Coverage of 25 kg bag	Approx. 16.7 m ² at 1 mm layer thickness	
Layer thickness as corrosion protection	2 x approx. 1 mm	
Layer thickness as bonding agent	Approx. 1 mm	
Application technique	Manual (Brush)	

*At 20 °C - 65 % relative humidity. Higher temperatures decrease the given times, while lower temperatures increase them.

Processing guidelines	
Preparation concrete surface	<ul style="list-style-type: none"> • Must not contain loose parts • Dust free and clean • Check for adequate adhesive tensile strength • Damp surface without puddles (Matt appearance) <ul style="list-style-type: none"> • Pre-wet surface at latest 2 h before work • Keep surface wet
Preparation reinforcement	<ul style="list-style-type: none"> • Any visible corrosion must be removed • Cleaning grade if corrosion protection used: SA 2½ • Basic Cleaning grade: SA 2
Processing indications	<ul style="list-style-type: none"> • Use tap water for mixing with mortar • Add CreNovate FCRM-BA SR to bucket with water • Mix as long as described under processing and until free of lumps • Application as corrosion protection: Two layers with each approx. 1 mm thickness <ul style="list-style-type: none"> • Application directly after cleaning of reinforcement • Application of second layer after approx. 3 h • Waiting time before applying repair mortar: <ul style="list-style-type: none"> • Manual Application: 2 h (at 20 °C) • Wet spraying: 8 h (at 20 °C) • Application as bonding agent: One layer of approx. 1 mm thickness <ul style="list-style-type: none"> • Application of repair mortar afterwards wet in wet • Never add any substances to the mortar except tap water • Never add water after mortar has started to set • Only mechanical mixing of mortar • Dropped mortar must be thrown away
Subsequent processing	<ul style="list-style-type: none"> • Must be protected from rain until fully cured
Cleaning	<ul style="list-style-type: none"> • After use, clean tools with water immediately • Once cured, the product can only be removed mechanically
Safety / Disposal	For safety information related to transport, storage, handling, and disposal of the product, refer to the current Safety Data Sheet.

Please note that the data and information provided above are guidelines from laboratory and real-life experience and are not binding. This general information describes our products and their use, but due to varied working conditions, not every case can be covered. We recommend conducting tests or consulting us if in doubt. We provide information to outline our products and services, without guaranteeing specific properties or suitability for a particular purpose. Upon publication of a new version, the current Technical Data Sheet becomes invalid.