CORROSION PROTECTION AND BONDING AGENT

RM02 CORROSION PROTECTION AND BONDING AGENT

TEST CERTIFICATES AND SUPPORTING DOCUMENTS

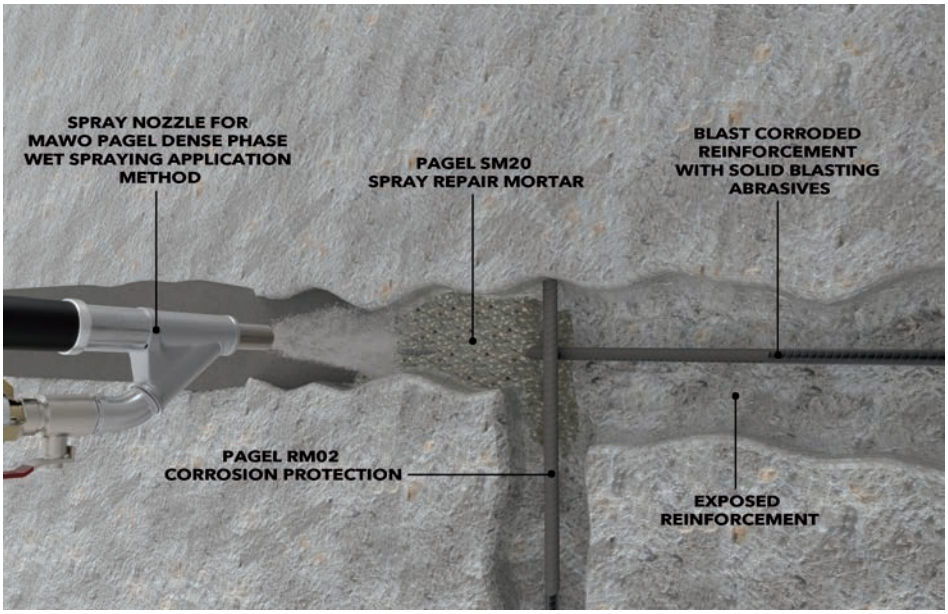
› Product acc. to DIN EN 1504-7 "Corrosion protection of reinforcement"
› Factory production control acc. to DIN EN 1504-7
› Company certification acc. to DIN EN ISO 9001:2015

PROPERTIES

› High quality corrosion protection and bonding agent on mineral basis
› Part of the PAGEL-PCC/SPCC repair system
› Ready to use, only requires mixing with water
› Increases not only the corrosion protection on the reinforcement steel but is also a bonding layer for any subsequent coating
› Easy to process, even at vertical surfaces and overhead, it is water impermeable and resistant to saponification
› Can be applied as a corrosion protection also on a matt-moist steel substrate
› Open to water vapour diffusion and reduces the ingressing of CO_2

AREAS OF APPLICATION

› Mineral corrosion protection for concrete steel and other metallic surfaces
› Bonding layer on concrete and cement-bound mortar substrates
› For prewatered mineral substrates



TECHNICAL DATA

TYPE			RM02
Fresh mortar raw density approx.		kg/m³	2,100
Amount of water max. Bonding layer		%	18
Corrosion protection		%	16
Consumption approx. Bonding layer		kg/m²	2–4
Corrosion protection (2-fold)		kg/m²	4–6
Coating Bonding layer			1-fold
Corrosion protection			2-fold
Adhesive pull strength		N/mm²	≥ 1.5
Processing time approx.	10 °C	min	60
	20 °C	min	45
	30 °C	min	30

Storage: 12 months. Cool, dry, free from frost. Unopened in its original container.
Delivery form: 25-kg bag, Euro pallet 1,000 kg
Hazard class: Non-hazardous material, observe information on packaging.
GISCODE: ZP1

Note: All fresh and solid mortars are tested at 20 °C ± 2 °C. Higher or lower temperatures result in deviating properties of fresh respectively solid mortars and test results. Depending on the temperature, the consistency can be adapted with a slight reduction of the mixing water.

PROCESSING

SUBSTRATE PREPARATION:
Reinforcing steel:
Blast all rust off exposed reinforcement bars until the underlying metal has been exposed acc. to purity grade SA 2 ½ in accordance with DIN EN ISO 12944-4.
Cement-bound substrates:
Remove loose and unsound material such as cement slurry and dirt etc. using suitable methods, e.g. shot-blasting or similar until the underlying solid grain structure has been exposed. A sufficient average tear strength (1.5 N/mm², KEW 1.0 N/mm²) must be ensured. Prewet the concrete substrate to capillary saturation for approx. 6-24 hours.

MIXING:
The mortar is supplied ready for use and only needs to be mixed with water. Fill the specified amount of water apart from a residual amount into a clean and suitable mixing device (e.g. compulsory mixer). Add the dry mortar and mix for at least 3 minutes.
Add the remaining water and mix for at least another 2 minutes until it forms a homogeneous mass.

APPLICATION:
Corrosion protection:
Apply two complete coats to the derusted reinforcing steel using a brush.
Waiting time until the 2. coating: approx. 6 h
Waiting time until the coating with mortar: approx. 6 h
Bonding layer:
Use a brush or broom, and brush onto the prewetted, matt-moist concrete substrate until it has penetrated right down into the pores and without leaving any gaps. The subsequent mortar coating must be applied wet-on-wet. If the application is stopped, or if the bonding layer starts to harden, it must be left to fully set. After a corresponding waiting time repeat the process.

Temperature range: + 5 °C to + 35 °C
Mixing water: Drinking water quality

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