

CORROSION PROTECTION AND BONDING AGENT

MH02 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
- › Only needs to be mixed with water
- › Easy to process, even at vertical surfaces and overhead, it is water impermeable and resistant to saponification
- › Increases the active corrosion protection
- › As a corrosion protection, it is applied twice

AREAS OF APPLICATION

- › Mineral corrosion protection for concrete steel and other metallic surfaces
- › Bonding layer on concrete and mortar substrates
- › Applicable on moist substrates

TECHNICAL DATA

TYPE		MH02	
Fresh mortar raw density approx.		kg/m ³	2,100
Amount of water	Bonding layer	%	18
	Corrosion protection	%	16
Consumption approx.	Bonding layer	kg/m ²	2-4
	Corrosion protection (2-fold)	kg/m ²	4-6
Coating	Bonding layer		1-fold
	Corrosion protection	PCC	2-fold
Adhesive pull strength		N/mm ²	≥ 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.

PAGEL PRODUCT COMPOSITION:

Cement: acc. to DIN EN 197-1
 Aggregate: acc. to DIN EN 12620
 Additions: acc. to DIN EN 450, general building inspection approval (abZ), DIN EN 13263 (fly ash, microsilica, etc.)

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.

Temperature range: + 5 °C to + 35 °C

Mixing water: Drinking water quality

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 pre-wetted, slightly damp 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.