

PROXAN®-HRM 3



Bonding agent

- on epoxy resin basis
- component of the concrete repair system for storage, filling and handling facilities (Z-74.12-96)

PROXAN®- HRM 3 bonding agent is a two-component epoxy resin-based primer with active anti-corrosion pigment (cement clinker).

Application

PROXAN®- HRM 3 acts as a bonding layer between the concrete and PROXAN®- RM 3 repair mortar. It adheres excellently to brittle or roughened surfaces and is resistant to the alkalinity of fresh cement mortars and quick setting cement. It can therefore also be used as a bonding layer between old and fresh cement concrete.

In addition, PROXAN®- HRM 3 also functions as corrosion protection for rebar steel in concrete structures.

Processing

Preparing the substrate

The mineral substrate must be dry, stable, fine-grained and free of slurry, dust, loose elements, grease and oil. This is achieved by milling, ball peening, grinding or the use of a wire brush. Loose elements are then removed by blasting with air. Following pre-treatment, the adhesive strength of the concrete substrate should be at least 1.5 N/mm².

The metallic substrate must be free of rust and mill scale, as well as being free of dust, grease and oil. Among other methods, this is achieved by grit blasting (purity grade SA 2 ½ compliant with EN ISO 12944-4) or grinding.

Mixing bonding agent PROXAN®- HRM 3

Base (A) and curing components (B) are packaged in a precisely metered mixing ratio. The base component must be thoroughly mixed before adding the curing agent.

Component B is completely emptied into component A, both components are then thoroughly and intensively mixed with one another. An electric agitator is recommended for mixing, e.g. a slow running drill (approx. 300-400 rpm) with attached mixing paddles. When mixing, the side and bottom surfaces of the packaging must be well contacted several times. In order to completely rule out mixing deficiencies, the premixed material must be transferred to a clean container and mixed again. Then quickly use the mixed material.

Additional processing information

may only be used at component temperatures of 3 K above the dew point temperature. It is applied by rolling or brushing. Approximately 500-800 g/m² of the mixed material is applied per work step.

If PROXAN®- HRM 3 is applied as corrosion protection, it must be protected against moisture (rain, condensation) for 6-8 hours. The PROXAN®- RM 3 repair mortar must be applied to the fresh, unreacted bonding agent. If this is no longer possible, 0.3-0.8 mm dry quartz sand must be applied to the bonding agent. Before continuing work, the loose sand must be brushed off and re-primed.

Central Sales

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Producer

Plant Greiz

Cleaning

Clean the equipment immediately using PROXAN®- PR-S or PROXAN®- PR 4 whenever work is interrupted. Do not allow cleaners and material components to get into the soil, sewage system or water!

Supply form

Packaging including
curing agent 2 kg

Technical data

	PROXAN®- HRM 3
Colour:	olive-green
Density A component:	1.82 g/cm ³
Density B component:	0.95 g/cm ³
Mixing ratio:	A : B = 9 : 1
Processing temperature:	8 °C ≤ T ≤ 30 °C
Workability duration (23 °C):	30 min.

Storage

Storage life one year. Keep packaging well closed, dry and store at + 15 °C to + 20 °C if possible. Avoid direct sunlight.

Disposal

Cured bonding agent can be disposed of as municipal waste (waste code number 20 03 01). Resin and hardener must be disposed of as paint waste containing organic solvents (waste code number 08 01 11*). More information can be found in the safety data sheet.

Occupational safety

The essential physical, safety-relevant, toxicological and ecological data can be found in the EC safety data sheet for work with chemical substances. Observe the regulations of the Hazardous Substances Ordinance.

Attention

The above information corresponds to the current state of knowledge and our previous experience. It does not claim to be exhaustive. The changing circumstances during use, the different working conditions on the construction site and the large number of possible materials preclude any liability for this information. The best security against possible failures is achieved by performing your own tests for the intended application. Our application technology staff will be happy to advise you.

This product information corresponds to our latest available information. The processor is obliged to test the suitability and application options for the intended purpose. We shall be pleased to advise if you have any questions about our product. Our Terms and Conditions of Business apply, which can be found at www.dga.de.

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