



PROXAN®-HRM 3

Epoxy resin-based bonding agent

Uses

PROXAN®- HRM 3 is a two-component epoxy resin-based primer with active anti-corrosive pigment (cement clinker) and acts as a bonding layer between the concrete and the repair mortar PROXAN®- RM 3. Thanks to its high chemical resistance, it is suitable for use in facilities for the storage, filling and handling of water endangering liquids. PROXAN®- HRM 3 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.

Properties

- High chemical resistance
- Excellent adhesive properties
- Approved for use in facilities for the storage, filling and handling of water endangering liquids (Z-74.12-96, DIBt)

Application instructions

Substrate preparation

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, achieved by grit blasting (purity grade SA 2½ per EN ISO 12944-4) or grinding.

Application

Component B is completely emptied into component A (ratio A:B = 9:1), both are then thoroughly and intensively mixed using an electric agitator (approx. 300–400 rpm). The premixed material should be transferred to a clean container and mixed again. Apply only when component temperatures are at least 3 K above the dew point temperature, by rolling or brushing. Apply approx. 500–800 g/m² per work step. PROXAN®- RM 3 repair mortar must be applied to the fresh, unreacted bonding agent.

Weather conditions

Apply only when component temperatures are at least 3 K above the dew point temperature.
Processing temperature: 8 °C to 30 °C.

Material consumption

approx. 500–800 g/m² per work step

Cleaning agents

Clean equipment immediately with PROXAN®- PR-S or PROXAN®- PR 4 when work is interrupted.

Storage

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

Form of supply

Container incl. hardener: 2 kg

Authoritative regulations

- Z-74.12-96 (DIBt) – component of the concrete repair system for storage, filling and handling facilities

Technical data

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

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This product information corresponds to our latest available information. The processor is obliged to test the suitability and application options for the intended purpose.