

PROXON MICROCONCRETE

PROXON MICROCONCRETE is a high-flow, high-strength pourable mortar for structural and general repairs, suitable for 25mm to 200mm thickness.



What

PROXON MICROCONCRETE is a high-flow, high-strength pourable mortar for structural and general concrete repairs, suitable for 25mm to 200mm thickness, providing durable, strong repairs fully compatible with existing concrete.

Why?

- Single component system
- Requires only water
- No bonding agent
- Repairs complex profiles
- Long lasting repairs
- Quick, easy application

Usage

PROXON MICROCONCRETE is ideal for vertical or horizontal structural repairs over 25mm thickness, including jacketing beams, columns, and repairing structural elements under repetitive loading for strengthening and durability.

How to use?

- Remove loose concrete
- Clean all reinforcements
- Use grit blasting recommended
- Apply corrosion protection coat
- Use strong, braced formwork
- Mix with clean water

PROXON MICROCONCRETE

Application

Surface Preparation:

All loose concrete, dust, grease, and contaminants must be removed. Concrete edges should be cut vertically to at least 20mm depth. Use grit blasting or high-pressure water blasting to clean exposed surfaces. Reinforcements should be cleaned to minimum Sa 2 grade as per ISO 8501-1. Corroded rebars must be grit blasted, coated with anti-corrosion protection, and replaced if their diameter is reduced by more than 20%.

Formwork & Mixing:

Use strong, braced formwork treated with release agent. Mix **PROXON MICRO-CONCRETE** using a forced action pan mixer or low-speed drill, with 3.75-4.25 litres of water per 25kg bag. Use chilled water if temperatures exceed 40°C.

Application & Curing:

Pre-soak substrate before pouring. Apply two coats of curing compound after removing formwork.

Protective Coating:

Apply protective anti-carbonation or silane coatings if required.

Cleaning:

Clean tools with water after use. Remove dirt and fungi with high-pressure water jetting. Treat corroded reinforcement as needed.

Yield

Each bag of **PROXON MICROCONCRETE** mixed with 4 liters of water yields approximately 13 liters.

Physical Properties

Appearance	Grey powder
Water to powder ratio	0.16
Compressive strength (ASTM C109 7cm cube)	10 MPa 1 Day 20 MPa 3 Days 30 MPa 7 Days 40 MPa 28 Days
Application temperature substrate material	+5 to +40°C +5 to +30°C
Mixing water per 25kg bag	62% ± 2% by weight
Wet Density	2230 Kg/cm ²
Coverage	1.3 m ² / 25 kg pack @ 10mm thickness

Ready-to-use, non-shrink microconcrete for repairs

PROXON MICROCONCRETE

Packing

Available in 25 Kg bags.

Shelf Life

PROXON MICROCONCRETE has a 6-month shelf life when stored on pallets, away from sunlight, rain, and moisture.

Safety

Use gloves, goggles, and protective clothing. In case of contact or ingestion, rinse immediately or seek medical help. Refer to MSDS for complete safety guidelines.

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