



Manufacturers of High
Performance Floor
Coatings and
Re-Surfacing Screeds

CONCRETE REPAIR

- ▲ **Applied in Wet Conditions and Underwater**
- ▲ **Twin Pack - Mixed Equal Volumes**
- ▲ **High Strength and Adhesion Powers**
- ▲ **Excellent Chemical Resistance**



THE RANGE

We have been manufacturing a range of concrete repair and resurfacing products for almost three decades. All offer outstanding strength, wear resistance, chemical resistance, impact resistance and long term performance. For repairing and resurfacing damaged or worn concrete, steps, ramps and doorway thresholds.

EPOXY MORTAR—UNDERWATER

Is for use in exceptionally wet conditions and for underwater applications. For fixing slip bricks and reinstating structures exposed to heavy battering from sea, such as sea walls and jetties. For repairing submerged concrete.

Mixed equal parts—Resin and Hardener—No waste
No primer is required.

Available in 5 kg Packs

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DESCRIPTION

EPOXY MORTAR Underwater is an incredibly tough, solvent free epoxy resin mortar for permanent repairs to worn or damaged concrete structures that are exposed to heavy battering from sea, such as sea walls and concrete jetties. Ideal for repairing concrete that is permanently wet or permanently underwater. This two part material is mixed equal parts by volume or weight, Resin and Hardener thus minimising wastage.

Uses: For the permanent repair to spalled or damaged concrete in exceptionally wet conditions and for underwater applications. Concrete sea walls, jetties and all exposed concrete that are frequently wet or difficult to dry.

Dry Preparation: Surfaces must be free from grease, oil and other forms of contamination. Hammer and bolster the concrete clean. Wire brushing is advisable. Remove all loose weak concrete and brush clean. For large areas grit blasting or needle gun preparation is ideal.

Under Water Preparation: Surfaces must be mechanically cleaned, free from weak, friable and loose material, marine growth, rust, scale etc.

Mixing: Either take equal parts from each plastic bucket labelled Pack A (Resin) and Pack B (Hardener) and mix together either:- By Hand : wearing vinyl gloves that are wet. Twist and fold both packs together until the 'putty like' material is uniform in colour. By Drill and Paddle : Mix equal parts together for 3 minutes.

Application: Mixed Epoxy Mortar Underwater must be carried in closed buckets or plastic bags to the work area to avoid contact with water until the point of application. Press in small quantities approximately 5mm thick and ensure all the water is expelled from between the surface and the Epoxy Mortar Underwater. Protect the uncured repair from displacement by heavy moving water until hardened. When applying in dry conditions, occasionally clean the trowel with water to release any build up of resin tack. Do not cover expansion joints but allow any joints to follow through the Epoxy Mortar.

Cleaning off Excess: Remove all uncured Epoxy Mortar Underwater with water or detergent solution. Cured hardened material can only be removed by grinding.

Health and Safety: Always read the separate Health & Safety Data Sheet prior to handling this product.

PRODUCT DATA

Coverage: 5kg will cover approximately 1m² at 2.50mm depth.

Yield: 5kg will yield 2.50 litres of mixed material

Solids Content: 100%

Fresh Wet Density: 2000 kg/m³

Colour: Pack A (Resin) off-white — Pack B (Hardener) White
Mixed Colour - Concrete Grey

Pot Life: When fully mixed, approx. 35 minutes @ 20°C. Extended pot life at lower temperatures, reduced pot life at higher temperatures. NOT FOR USE BELOW 5°C

Curing Time: Initial cure after 24 hours @ 20°C. Full cure after 7 days @ 20°C

Chemical Resistance: Resistant to many chemicals commonly met within industry. Contact Technical Services Department for more advice.

Water Immersion: Epoxy Mortar Underwater maybe applied and cured underwater.

Strengths (After 7 days @ 20°C)

Tensile Strength 15 N/mm²

Compressive Strength 80 N/mm²

Flexural Strength 32 N/mm²

Tool Cleaning: Clean all tools with water and detergent

Pack Sizes: 5Kg sets being the combined weight of both Pack A (Resin) and Pack B (Hardener) when mixed together.

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