



# AQUAPOXY-UW

## UNDER WATER REPAIR MORTAR

## AQUAPOXY - UG

### UNDER WATER CONCRETE REPAIR MORTAR UNDER WATER TILE GROUT

- Applied in Wet Conditions and Underwater
- Twin Pack - Mixed & Apply
- High Strength and Adhesion Powers
- Excellent Chemical Resistance



#### AQUAPOXY - UG EPOXY MORTAR—UNDERWATER

Is for use in exceptionally wet conditions and for underwater applications. For fixing tile/bricks and repairing RCC structures exposed to heavy battering from sea, such as sea walls and jetties. For repairing submerged concrete. Mixed Part – A Resin and Part – B Hardener—No waste No primer is required.

Available in 5 kg Packs

Mfg. & Exporters of High-Performance Epoxy Grout, Floor Coatings, Re-Surfacing Screed, Protective Coating Glass Flake/Glass Cloth Reinforced Tank Lining Systems

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## UNDER WATER CONCRETE REPAIR MORTAR UNDER WATER TILE GROUT

### DESCRIPTION

AQUAPOXY-UW 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 minimizing 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: By Hand: wearing vinyl gloves that are wet. Twist and fold both packs together until the 'putty like' material is uniform in color. By Drill and Paddle: Mix part A & B together for 3 minutes.

**Application:** Mixed AQUAPOXY-UW 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 AQUAPOXY-UW 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 buildup of resin tack. Do not cover expansion joints but allow any joints to follow through the AQUAPOXY-UW.

**Cleaning off Excess:** Remove all uncured AQUAPOXY-UW 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: 5 kgs will cover approximately 1M<sup>2</sup> at 2.50mm depth. Solids Content: 100%

Fresh Wet Density: 2000 kg/M<sup>3</sup>

Color: Mixed Color - 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 us for more advice.

Water Immersion: Epoxy Mortar maybe applied and cured underwater. Strengths (After 7 days @ 20°C)

Tensile Strength 15 N/mm<sup>2</sup>

Compressive Strength 80 N/mm<sup>2</sup>

Flexural Strength 32 N/mm<sup>2</sup>

Tool Cleaning: Clean all tools with water and detergent

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