



am Epoxymortar UW

Two-Component Underwater Epoxy Mortar

DESCRIPTION

am Epoxy Mortar UW is specially formulated epoxy mortar for a wide variety of applications. It is ready-mixed in two-component for easy mixing at site and is different in visual confirmation of homogenous mixing on site.

am Epoxy Mortar UW is suitable for use in exceptionally wet conditions and underwater applications. The compressive strength is 45 N/mm² providing a strong, dense and best protection against corrosive attack. It is recommended for fixing or reinstating structures exposed to the heavy battering of the sea such as concrete jetties and sea walls. It is also suitable for repairing submerged steelwork and concrete structures. After mixing component A & B, the Epoxy Mortar may be packed in polythene bag for underwater usage.

USES

- Underwater applications.
- Sea wall, concrete jetties and swimming pool.
- Common concrete surface.
- Patching of crack concrete and holes.
- Fixing and reinstate of concrete structure.

ADVANTAGES

- Stronger than concrete.
- Minimal shrinkage.
- Excellent chemical and abrasion resistance.
- Easy to use on site.

METHOD OF USE

Surface Preparation

All surfaces should be cleaned, sound and free from traces of laitance, grease, oil, dust and loose particles, exposed reinforcement should be free from rust, scale, etc. Degreasing and primes the substrate when necessary.

Normal Application

am Epoxy Mortar UW is suitable for manual mixing by wearing protective gear on a smooth clean flat surface. The mixing surface may be wetted with minimum water and the Component A completely spread out approximately 10 – 20 mm thick. Then Component B should be emptied out into the centre of Component A. After this, Component A should be folded over Component B and the material completely knead until homogenous and uniform in colour. Water must not be added to am Epoxy Mortar UW.

Underwater Application

Mix am Epoxy Mortar UW in small quantities and carries in polythene bags to work area. Press firmly into position approximately 5 mm thick ensuring that all water is expelled from between the repair surface and material. Mixed epoxy mortar should be used within 20 minutes after mixing. The mixed mortar and water contact should be avoided till the point of application. Uncured epoxy should be protected from scouring and displacement by moving water until cure.

Colour

Grey (Component A – Light Grey & Component B – Black).

Cleaning

Thoroughly clean up all tools with solvent immediately after use.

Drying Time

Setting time - 30 to 45 minutes* (25°C)

Initial Cure - 24 hours* (25°C)

Full Cure - 7 days* (25°C)

*(Drying time may vary according to temperature, humidity and thickness.)

Technical Data

Density (A&B mixed)	2.1kg
Compressive Strength	
-50 N/mm ² (1 day initial cure)	
-75 N/mm ² (7 days full cure)	
Tensile Strength ASTM C307	8.5 N/mm ²
Flexural Strength BS 6319PT3	16.8 N/mm ²
Flash Point	> 65°C
Solid Content	100%

Packaging

6kg set (A&B)

Storage

The shelf life of **am** Epoxy Mortar UW is up to 12 months when stored in original factory sealed container under good conditions. Extreme heat or cold may accelerates ageing of product. Always check product before use. Keep dry and out of direct sunlight. Protect from freezing.

Warranty

Seller and manufacturer only obligation shall be replacement of such quantity of product proved to be defective. All advice given herewith is to the best of knowledge, true and accurate. All recommendation and suggestions are made without guarantee. Since the conditions of use are beyond our control, neither the seller nor manufacturer shall be liable for any injuries, loss or damage, direct or consequential arising from the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability. Keep out of reach of children.

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