

M-METAL 500 – UNDERWATER EPOXY PUTTY STICK – RAPID CURE

M-METAL 500 – Underwater Epoxy Putty Stick – Rapid Cure

Is a solvent-free Underwater Epoxy Putty, designed to cure in damp or underwater situations.

When mixed the material will bond to metal, wood, ceramic, fibreglass, and most plastic surfaces.

The material is supplied in stick form with a predetermined mixing ratio of base and activator. The product is mixed by kneading with a gloved hand until a uniform off-white putty is achieved.

Typical Uses

- Leak Sealing on Storage Tank Seams
- Leak Sealing on Domestic Radiators
- Sealing holes in GRP or Wooden Boat Hulls and Decks
- Leak Sealing on Pipes
- Bonding Swimming Pool tiles back in place

Application Guide

Surface Preparation - Manual

- The material is suitable for application to manually prepared surfaces, any loose materials such as old coatings must be removed, and the surface cleaned with solvent prior to application of the product.

Mixing

The product is supplied in stick form and therefore the base and activator component are pre-measured.

- Simply break off the required amount of material from the stick and using gloved hands knead the product until the green and cream components become a consistent light green.

Use all mixed material within 15 minutes at 20°C.

Product Application

- Once a consistent mix has been achieved apply the material by pressing the putty with firm pressure onto the prepared surface and hold for 30 seconds.

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Over-coat Times

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- Minimum – the applied material can be over-coated as soon as it is touch dry.
- Maximum – the over-coating time should not exceed 6 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.

Technical Information

Appearance	Base Activator Mixed	Green paste White paste White paste
Mixing Ratio	Pre – measured	
Solids Content		100%
Slump Resistance	Nil at	20 mm
Usable Life	20°C	15 minutes
Cure Times @ 20°C	Movement without load or immersion: Machining and light loading:	1 hour 2 hours
Storage Life	Unopened and stored in dry conditions (15-30°C)	1 year
Adhesion	Tensile Shear to ASTM D1002 on abrasive blasted mild steel with 75-micron profile	70kg/ cm ² 1000psi
Compressive Strength	Tested to ASTM D 695	446kg/ cm ² 6350psi
Corrosion Resistance	Tested to ASTM B117	Minimum 5000 hours
Hardness	Shore D Hardness	80 at 20°C
Heat Resistance	Suitable for long-term water immersion at temperatures up to: Resistant to dry heat more than:	60°C 150°C

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Chemical
Resistance

The product resists attack by a wide variety of inorganic acids, alkalis, salts, and organic media.

Legal Notice

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control.

It is the responsibility of the customer to determine the products suitability for use.

Maxkote accepts no liability arising out of the use of this information or the product described herein.

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