

M-METAL 300 – METAL EPOXY PUTTY STICK – RAPID CURE

M-METAL 300 – Metal Epoxy Putty Stick – Rapid Cure

Is multipurpose steel reinforced putty that is design for repairing, bonding sealing applications, the product is easy to mix in just one minute, to provide fast and permanent repairs. the material can rebuild virtually any material.

The material is supplied in stick form with a predetermined mixing ratio of base and activator. Mix by kneading, (Please note, use gloves for mixing) until a smooth grey putty is achieved.

Once mixed M-METAL 300 – Epoxy Putty provides a fast-curing putty, suited for small repairs that require rapid return to service.

M-METAL 300 is totally waterproof once dried, repairs may be sanded and painted with any of our epoxy or polyurethane coating systems, providing additional long-term asset protection.

Typical Uses

- Leak Sealing on Storage Tank Seams
- Leak Sealing on Domestic Radiators
- Reform Stripped Threads
- Leak Sealing on Pipes

Application Guide

Surface Preparation - Manual

- All oil and grease must be removed from the surface of the repair using an appropriate cleaner such as MEK.
- The material is suitable for application to manually prepared surfaces such as hand wire brush, sanding, mechanical grinding, or wire brush.
- All loose material such as rust or flaking paint must be removed prior to the application of this product

A: Tower Court, YO30
4XL



T: 01904 809 773



E:
info@maxkote.co.uk



W:
www.maxkote.co.uk

Mixing

The product is supplied in stick form and therefore the base and activator component are premeasured.

- Simply break off the required amount of material from the stick and using gloved hands knead the product until the black and grey components become a consistent mid grey colour.
- Use the material as soon as possible after mixing

Use all mixed material within 5 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.

Technical Information

Appearance	Base Activator Mixed	Light grey paste Dark grey paste Mid grey paste
Mixing Ratio	Pre – measured	
Solids Content		100%
Slump Resistance	Nil at	20 mm
Usable Life	20°C	5 minutes
Cure Times @ 20°C	Hard Dry Machining and light loading Full loading Immersion	30 mins 30 mins 1 hour 1 hour
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

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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
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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