

MAXMET 100 EPOXY METAL FAIRING COMPOUND

Description	MAXMET 100 EPOXY METAL REPAIR COMPOUND is a multi-purpose, solvent free, epoxy metal repair and rebuilding compound. The product is suitable for repairing, metal components suffering material loss due to mechanical damage, erosion, corrosion and wear.
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Material Properties

Appearance	Base Activator Mixed	Dark grey paste Light grey paste Mid grey paste
Mixing Ratio	By Weight By Volume	5:1 3:1
Density	Base Activator Mixed	2.70 1.70 2.46
Volume Capacity		406cc/kg
Solids Content		100%
Slump Resistance	Nil at	20mm
Usable Life	10°C 20°C 30°C	50-60 minutes 25-30 minutes 15-20 minutes
Coverage	1kg at a thickness of 1.0mm	0.4m ²
Cure Times @ 20°C	Movement without load or immersion Machining and light loading Full loading Immersion	1.5 hours 2.0 hours 2 days 3 days
Storage Life	Unopened and stored in dry conditions (15-30°C)	5 years
Adhesion		188kg/cm ² 2675psi
Compressive Strength	Tested to ASTM D 695	1089kg/ cm ² 15,500psi
Corrosion Resistance	Tested to ASTM B117	Minimum 5000 hours
Flexural Strength	Tested to ASTM D790	703kg/cm ² 10,000psi
Hardness	Rockwell R to ASTM D785	100
Heat Distortion	Tested to ASTM D648 at 264psi fibre stress	20°C Cure 57°C 100°C Cure 98°C

Heat Resistance	Suitable for long-term water immersion at temperatures up to Intermittent contact with pressurised steam up to Resistant to dry heat in excess of	70°C 120°C 200°C dependant on load.
Chemical Resistance	The product resists attack by a wide variety of inorganic acids, alkalies, 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.

Health and Safety

Please ensure good practice is always observed during the mixing and application of this product.

Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.