MAXKOTE
Repair, Maintenance & Protection Products

TECHNICAL DATA

MET200 TDS-REV1- 2018

MAXMET 200 EPOXY METAL FAIRING COMPOUND

Description	**MAXMET 200** is a solvent free, epoxy resurfacing and rebuilding fluid, suitable for repairing metal components suffering material loss due to mechanical damage, erosion, corrosion or chemical attack. **MAXMET 200**, provides a smooth pour-able fluid ideally suited for filling pitting and scarring on steel and other metallic surfaces. Once mixed the material can be applied up to a thickness of 3.0mm without slumping, also be used with aluminium oxide aggregates to create anti-slip surfaces.

Material Properties

Appearance	Base Activator Mixed	Dark grey paste Amber fluid Mid grey fluid
Mixing Ratio	By Weight By Volume	8:1 3:1
Density	Base Activator Mixed	2.70 1.00 2.50
Volume Capacity		440cc/kg
Solids Content		100%
Slump Resistance	Nil at	3mm
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	0.4m2
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

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Adhesion	Tensile Shear to ASTM D1002 on abrasive blasted mild steel with 75-micron profile	185kg/cm² 2630psi
Compressive Strength	Tested to ASTM D 695	1075kg/ cm² 15,300psi
Corrosion Resistance	Tested to ASTM B117	Minimum 5000 hours
Flexural Strength	Tested to ASTM D790	703kg/cm² 10,000psi
Hardness	Rockwell R to ASTM D785	100
Heat Distortion	Tested to ASTM D648 at 264psi fibre stress.	20°C Cure 58°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 120°. Resistant to dry heat in excess of 200°C dependant on load.	70°C 120°C 200°C
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.

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