

MAXMET 400 5-MINUTES EPOXY METAL RESURFACING FLUID

Description	<p>MAXMET 400 Is a 5-minute epoxy resurfacing fluid, suitable for emergency repairs to metal components suffering material loss due to mechanical damage, erosion, corrosion or chemical attack.</p> <p>MAXMET 400 when mixed is tolerant to poor surface conditions and can be applied directly to damp and oil contaminated steel provided all loose materials are removed before application.</p> <p>The material is supplied in two parts with a base and activator, once mixed MAXMET 400 provides a smooth pour-able fluid ideally suited for filling pitting or as a structural adhesive on steel and other surfaces.</p>
--------------------	---

Material Properties

Appearance	Base Activator Mixed	Black fluid White fluid Mid grey fluid
Mixing Ratio	By Weight By Volume	1:1 1:1
Density	Base Activator Mixed	1.8 1.8 1.8
Volume Capacity		555cc/kg
Solids Content		100%
Slump Resistance	Nil at	3mm
Usable Life	10°C 20°C 30°C	10 minutes 5 minutes 2.5 minutes
Coverage	1kg at a thickness of 1.0mm	0.5m ²
Cure Times @ 20°C	Movement without load or immersion: Machining and light loading: Full loading: Immersion:	45 mins 2.0 hours 8.0 hours 8.0 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	185kg/cm ² 2630psi
Compressive Strength	Tested to ASTM D 695	185kg/ cm ² 2630psi
Corrosion Resistance	Tested to ASTM B117	Minimum 5000 hours
Lap Shear	Tested to ISO 4587	240kg/cm ² 3400psi
Hardness	Rockwell R to ASTM D785	85
Heat Distortion	Tested to ASTM D648 at 264psi fibre stress.	20°C Cure 60°C
Heat Resistance	Suitable for long-term water immersion at temperatures up to: Resistant to dry heat in excess of:	60°C 130°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.

