

**MAXCHEM 200 – CHEMICAL RESISTANT POLYURETHANE COATING**

<b>Description</b>	<p><b>MAXCHEM 200 – CHEMICAL RESISTANT POLYURETHANE COATING</b> is a high build coating. Formulated using the latest solvent free polyurethane technology. When cured the material exhibits a high degree of flexibility allowing for substrate movement without cracking</p> <p>Designed principally for the long-term protection of tanks, bunds and pipelines and other concrete or steel structures in contact with diluted acidic solutions and industrial chemicals</p> <p>The material is supplied as a 2-component product (PART A &amp; PART B), that requires mixing before use, once mixed the product can be applied directly to prepared metal surfaces by brush, squeegee or plastic applicator.</p>
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## Material Properties

Appearance	Base Activator Mixed	Blue or light grey liquid Amber liquid Blue or light grey liquid
Mixing Ratio	By Weight By Volume	3.25:1 3:1
Density	Base Activator Mixed	1.31 1.22 1.29
Solids Content		100%
Sag Resistance	Nil at	400 microns
Usable Life	10°C 20°C 30°C	20-20 minutes 15 minutes 8 minutes
Coverage	Basecoat applied at a minimum target film thickness of 400 microns:	2.5 sqm /ltr

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	Topcoat applied at a minimum target film thickness of 400 microns:	2.5 sqm/ltr
	Finished, minimum target film thickness of 800 microns:	1.250 sqm/ltr
Cure Times	Movement without load or immersion: Light loading: Full loading/water immersion: Chemical Contact:	2 hours 8 hours 3 days 14 days
Storage Life	Unopened and stored in dry conditions (15-30°C)	2 years
Adhesion	Tensile Shear to ASTM D1002 on abrasive blasted mild steel with 75 micron profile	169kg/cm <sup>2</sup> 2400psi
Cathodic Disbondment	(British Gas CW6 and FW0028 Draft methods)	Pass
Corrosion Resistance	Tested to ASTM B117	5000 hours
Flexibility	(British Gas FW0028 Draft method) 3% Strain at 20°C – PASS 2% Strain at 5°C – PASS 1% Strain at 0°C ASTM D522	Pass Pass Pass Pass
Hardness	Shore D to ASTM D2240	80
Heat Resistance	Suitable for use in immersed conditions at temperatures up to:	60°C
	Suitable for use in dry conditions at temperatures up to dependant on load:	120°C
Chemical Resistance	At 20°C product resists attack by a wide variety of inorganic acids, alkalies, salts and organic media	Acetic Acid 10% Benzoic Acid 15% Caster Oil Cyclohexane

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		Ethyl Alcohol 50% Formic Acid 10% Fuel Oil Glycerine Hydrochloric Acid 20% Isopropanol Lactic Acid 20% Mineral Oil Nitric Acid 10% Phosphoric Acid 50% Potassium Hydroxide 10% Sodium Carbonate 10% Sodium Hydroxide 10% Sulphuric Acid 50% White Spirit
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**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.

**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.