

MAXCOR 400 UV STABLE POLYURETHANE COATING
Description

MAXCOR 400 – UV STABLE POLYURETHANE COATING is high quality solvent based, two pack polyurethane coating formulated using the latest polyurethane resin systems. After cure, the material provides a high gloss and durable finish.

Typically used in conjunction with, epoxy coating systems as a colour stable top-coat. It allows quick turnaround due to its rapid film hardening properties and offers excellent abrasion resistance.

MAXCOR 400 – PU COATING has excellent anti-corrosion properties and is designed for the long-term protection of steel and concrete structures against weathering and environmental corrosion.

The material is supplied as a 2-component product (**PART A & PART B**), that requires mixing before use, once mixed the product can be applied directly to prepared surfaces by brush or standard airless spray.

Material Properties

Abrasion Resistance	Tested to ASTM D4060	23 mgm weight loss per 500 cycles
Appearance	Base: Activator: Mixed:	Pigmented liquid Amber liquid Low viscosity liquid
Chemical Resistance	The product resists attack by a wide variety of low concentration industrial chemicals including:	Aluminium Sulphate Brine Calcium Sulphate Crude Oil Sweet Ferric Chloride Hydraulic Oil Lubricating Oil Natural Gas Vinegar

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		Wax Zinc Chloride
Corrosion Resistance	Tested to ASTM B117	Minimum 5000 hours
Coverage	<p>The material should be applied by brush or roller in two coats at a target thickness of:</p> <p>Coverage per coat using a practical coverage rate of:</p> <p>The practical coverage rate for spraying at 150 microns:</p>	<p>150 microns</p> <p>5 sqm/ ltr</p> <p>4.5sqm/ ltr</p>
Cure Times	<p>At 20°C the applied materials should be allowed to harden for the times indicated below</p> <p>Minimum over coating: Movement without load or immersion: Light loading: Maximum over coating: Full loading/water immersion: Chemical Contact:</p>	<p>90 minutes</p> <p>8 hours</p> <p>16 hours</p> <p>36 hours</p> <p>3 days</p> <p>7 days</p>
Density	<p>Base: Activator: Mixed:</p>	<p>1.514</p> <p>1.03</p> <p>1.48</p>
Heat Resistance	<p>Suitable for use in immersed conditions at temperatures up to: Resistant to dry heat up to:</p>	<p>50°C</p> <p>130°C dependent on load</p>

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Impact Resistance	Tested to BS 2782 Part 3	No failure 0.9kg load dropped 45cm
Mixing Ratio	By weight: By volume:	4.5:1 4:1
Sag Resistance	Nil at:	150 microns
Salt Fog Resistance	Tested to ASTM B117	Unaffected after 10,000 hours
Solids content		55%
Storage life	If unopened and stored in normal dry conditions (15-30°C)	2 years
Useable Life	10°C 20°C 30°C	60 mins 30 mins 15 mins
UV Resistance	Tested to ASTM G 53	Unaffected 1000 hours

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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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.