

## MAKE 605-UWC

### Epoxy Under Water Coating

#### Base 605 : Curing Agent 6051

<b>PRODUCT DESCRIPTION</b>	<b>High build solvent free epoxy coating of envelope protection type based on a two pack system capable of under water curing.</b>
<b>RECOMMENDED USE</b>	Under application for protection of metal, concrete, cement renders, masonry in extremely aggressive environment. Suitable for rehabilitation of corroded steel and concrete in the tidal zone (above and under water). May be used where curing at 5°C required and over damp surface.
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"> <li>• Durable, impermeable solvent free coating with excellent resistant to salt and fresh water</li> <li>• Resist solvent and wide range of chemicals</li> <li>• Cures under water immersion</li> <li>• Smooth hard surface, highly abrasion and impact resistant , resist underscore corrosion on steel</li> <li>• 100% solid coating and presents no solvent environmental hazard due to the release of volatile solvent during application and cure.</li> <li>• UWC coating, once cured, is non toxic and will not pollute under water environment either during or after cure</li> </ul>
<b>PHYSICAL DATA</b>	<ul style="list-style-type: none"> <li>• <b>Colour</b> Grey</li> <li>• <b>Gloss level</b> Semi gloss</li> <li>• <b>Specific gravity</b> 1.80 ± 0.20 kg/ltr</li> <li>• <b>Volume Solid</b> 100%</li> <li>• <b>Dry Film Thickness</b> 500-2000 microns</li> <li>• <b>Wet film Thickness</b> 500-2000 microns</li> <li>• <b>Theoretical Coverage</b> 2m<sup>2</sup>/ltr for 500 microns</li> <li>• <b>Temperature Resistance</b> Continuous : 120°C Periodic : up to 120°C</li> <li>• <b>Full Cure</b> 7 Days</li> <li>• <b>Painting Interval</b> Min : 12 hours Max : 4 months</li> <li>• <b>VOC</b> 0 g/ltr</li> <li>• <b>Pot Life</b> 30-60 minutes (after mixing the component)</li> <li>• <b>Flash Point</b> Base 25°C : hardener 65°C</li> <li>• <b>Shelf Life</b> 12 months (cool and dry place )</li> <li>• <b>Pack Size</b> 5 litres ; 20 litres</li> </ul>
<b>SURFACE PREPARATION</b>	<p><b>Steel</b></p> <ul style="list-style-type: none"> <li>• Surface to be coated should be free from oil, dirt, marine growth, sharp edges, weld splatter etc. Optimum performance is obtained by application of UWC coating to surface cleaned by abrasive blasting to :             <ol style="list-style-type: none"> <li>1 White metal</li> <li>2 A surface profile 50-75 microns</li> </ol> </li> <li>• Contamination occurring on underwater or splash zone areas between surface preparation and coating must be removed by hydro blasting or brushing before commencing coating operations.</li> </ul> <p><b>Concrete</b></p> <ul style="list-style-type: none"> <li>• Remove all dirt, oils, grease etc and loose material. All laitance to be removed by light grit blasting or high-pressure water blasting for optimum adhesion of coating, Bug holes and honeycomb areas in concrete should be filled with an approved grout prior to application of UWC coating</li> </ul>
<b>APPLICATION DATA</b>	<p><b>Application Method</b></p> <ul style="list-style-type: none"> <li>• Trowel Recommended</li> </ul> <p><b>Mixing Ratio</b> Base ; Curing Agent = 1 : 1</p>

<b>Thinner Cleaner</b>	Thinner MAKE 906 Thinner MAKE 10
<b>Drying Time</b>	
Touch Dry	5 hours at 25°C ; 2.5 hour at 32°C
Hard Dry	48 hours at 25°C ; 44 hours at 32°C
Dry to Recoat	
Minimum	14 hours at 25°C ; 12 hours at 32°C
Maximum	4 Months
Full Cure	7 days
<b>Pot Life</b>	1 hours at 32°C

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**STORAGE & HANDLING**

The Product must be stored in accordance with National Regulation. Storage condition are to keep the containers in dry , cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed. Handle with care, stir well before use.

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**SAFETY PRECAUTION**

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

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**DISCLAIMER**

*The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.*