



RAINBOW

RAINBOPRIME 804

PRODUCT NUMBER	30804																								
TYPE	The two-pack, universal anticorrosion primer based on epoxy resin, hardener and special pigments.																								
CHARACTERISTICS	<ol style="list-style-type: none"> Used for the new building system or the maintenance system, including ship's all areas such as ballast tank, underwater hull, topside, deck, cargo tank, oil tank, superstructure, interior etc. Also used for anticorrosion engineering of steel structure such as chemical factories, bridges, power plants, inlet and outlet pipes, drains and sewers etc. Simplified procedure, convenient application, unique long terms anticorrosive performance. Excellent anticorrosion and adhesion, widely apply on shop primer, steel plate (sand-blasted or mechanical surface preparation), aluminum, stainless steel, galvanized steel preparation. Can be coated a variety types of coating, e.g. epoxy, polyurethane, acrylic, alkyd, chlorinated rubber, vinyl and fire retardant paint. Excellent resistance to mechanical damage. Excellent resistance to sea water when applied to steel and non-ferrous metal. Easy application, very fast drying, it's good for all seasons to use. 																								
GLOSS	Flat																								
COLOR	Yellowish Green, Grey, Red Oxide																								
VOC	Max. 424 g/L																								
PRODUCT WEIGHT	Above 1.3 Kg/L																								
DRYING TIME	Set-to-touch 1 1/2 hrs. Dry hard 4 hrs. (25°C)																								
OPTIMUM FILM THICKNESS	Wet 125~333 microns Dry 75~200 microns																								
VOLUME SOLIDS	60±2%																								
THEORETICAL COVERAGE	30.3 m ² /Gal 8 m ² /L @ 75 microns																								
OVERCOATING INTERVALS	Overcoating table for two-pack epoxy coating:																								
	<table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>5°C</th> <th>10°C</th> <th>20°C</th> <th>30°C</th> <th>40°C</th> </tr> </thead> <tbody> <tr> <td>Minimum</td> <td>13 hours</td> <td>6 hours</td> <td>2.5 hours</td> <td>1.5 hours</td> <td>1 hour</td> </tr> <tr> <td>Max. (not exposed to sunshine)</td> <td>6 months</td> <td>6 months</td> <td>6 months</td> <td>4 months</td> <td>3 months</td> </tr> <tr> <td>Max. (direct exposed to sunshine)</td> <td>3 months</td> <td>3 months</td> <td>3 months</td> <td>2 months</td> <td>2 months</td> </tr> </tbody> </table>	Substrate temperature	5°C	10°C	20°C	30°C	40°C	Minimum	13 hours	6 hours	2.5 hours	1.5 hours	1 hour	Max. (not exposed to sunshine)	6 months	6 months	6 months	4 months	3 months	Max. (direct exposed to sunshine)	3 months	3 months	3 months	2 months	2 months
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MIXING RATIO	Base : Hardener = 16 : 4 (by volume)																								
POT LIFE	6 hrs. (25°C)																								
THINNER	No.1005 Epoxy Thinner (SP-12)																								
THINNING RATE	Brush / Roller : 0~5% Airless spray : 0~10% (Max. limited)																								
RECOMMENDED SPEC.	Please refer the painting specification																								
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.																								
APPLICATION METHOD	Airless Spray, Brush, Roller																								
NOTE	<ol style="list-style-type: none"> Mix base and hardener according to the mixing ratio and stir thoroughly. Adhered moisture, salt, grease, sludge, dust and rust on substrate must be removed thoroughly. Surface of steel must be pretreated by sand-blasting to ISO-Sa 2 1/2 roughness up to 30 microns or with high pressure water-jet to VIS WJ 2/3. Surface of shop primer must be pretreated by sand-sweeping to ISO SS or St3. Avoid applying the paint in raining weather or the relative humidity exceeded 85%RH or substrate temperature below the dew point 3°C. When used inside tanks, sufficient ventilation must be provided. 																								

EPDM3030804X V1.0

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