



# RAINBOW

## RAINBOXY 857

PRODUCT NUMBER	30857																					
TYPE	The two-pack, universal anticorrosion primer based on epoxy resin, hardener and special pigments.																					
CHARACTERISTICS	<ol style="list-style-type: none"><li>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.</li><li>Simplified procedure, convenient application, unique long terms anticorrosive performance.</li><li>Excellent anticorrosion and adhesion, widely apply on shop primer, steel plate (sand-blasted or mechanical surface preparation).</li><li>Can be coated a variety types of coating, e.g. epoxy, polyurethane, acrylic, alkyd, chlorinated rubber, vinyl and fire retardant paint.</li><li>Excellent resistance to mechanical damage.</li><li>Excellent resistance to sea water, can be applied to blasted steel directly.</li><li>Epoxy tiecoat and anticorrosive coat, very fast drying, it's good for all seasons to use.</li></ol>																					
COLORS	Grey, Red Oxide																					
FLASH POINT	26°C																					
VOC	Max. 376 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 110 ~ 180μ (Micron) Dry 75 ~125μ (Micron)																					
VOLUME SOLID	70±2%																					
THEORETICAL COVERAGE	30.3 m <sup>2</sup> /Gal 8 m <sup>2</sup> /L @ 75μ																					
OVERCOATING TABLE	<ol style="list-style-type: none"><li>For A/F system</li></ol> <table border="1"><thead><tr><th>Substrate temp.</th><th>0 °C</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 interval</td><td>24 hours</td><td>13 hours</td><td>8 hours</td><td>2.5 hours</td><td>1.5 hours</td><td>1 hour</td></tr><tr><td>Maximum interval</td><td>18 days</td><td>18 days</td><td>18 days</td><td>14 days</td><td>7 days</td><td>5 days</td></tr></tbody></table> <ol style="list-style-type: none"><li>Overcoat 857: The overcoating intervals can be lasted to 30 days. Base : Hardener=80 : 20 (by volume) 86 : 14 (by weight)</li></ol>	Substrate temp.	0 °C	5 °C	10 °C	20 °C	30 °C	40 °C	Minimum interval	24 hours	13 hours	8 hours	2.5 hours	1.5 hours	1 hour	Maximum interval	18 days	18 days	18 days	14 days	7 days	5 days
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MIXING RATIO	Base : Hardener=80 : 20 (by volume) 86 : 14 (by weight)																					
POT LIFE	6 hrs (20°C)																					
THINNER	No.1005 Epoxy Thinner (SP-12) or Xylene (For low temperature or winter)																					
THINNER RATE	0~5% (by bush and roller) 0~10% (Airless)																					
RECOMMENDED SPEC	Please refer the painting specification																					
SHELF LIFE	Minimum one year under normal storage condition																					
APPLICATION METHOD	Airless spray, Bush and Roller																					
NOTE	<ol style="list-style-type: none"><li>Mix base and hardener according to the mixing ratio and stir thoroughly.</li><li>Adhered moisture, salt, grease, sludge, dust and rust on substrate must be removed thoroughly.</li><li>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.</li><li>Surface of shop primer must be pretreated by sand-sweeping to ISO SS or St3.</li><li>Avoid applying the paint in raining weather or the relative humidity exceeded 85%RH or substrate temperature below the dew point 3°C.</li><li>When used inside tanks, sufficient ventilation must be provided.</li><li>When used as a primer, the DFT and thinner must be limited.</li><li>During low temperature, one mist A/F coat must be applied before applying required thickness.</li></ol>																					

EPDM3030857X V1.1

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