



# RAINBOW

## RAINBOPRIME 803

PRODUCT NUMBER	30803					
TYPE	Two component multi-purpose polyamide cured anticorrosive epoxy system.					
CHARACTERISTICS	<ol style="list-style-type: none"> <li>1. General purpose epoxy primer/coating in protective coating systems for steel and non ferrous metals.</li> <li>2. Good adhesion to steel and galvanized steel.</li> <li>3. Cures at temperatures down to 5°C.</li> <li>4. Good water and corrosion resistance.</li> <li>5. Good flow and wetting properties.</li> <li>6. Good adhesion to non ferrous metals.</li> <li>7. Suitable for touching up of weld seams and damages of epoxy coatings during construction.</li> <li>8. Suitable on wet blast cleaned substrates(damp or dry).</li> </ol>					
GLOSS	Eggshell					
VOC	Max. 319 g/L					
COLORS	Various other colors					
PRODUCT WEIGHT	Above 1.3 kg/L					
DRYING TIME	Set-to-touch	2 hours	Dry hard	6 hours	(25°C)	
OPTIMUM FILM THICKNESS	Wet	150 ~ 300µ (Micron)	Dry	120 ~ 240µ (Micron)		
VOLUME SOLID	80 %					
THEORETICAL COVERAGE	13.0~26.0 m <sup>2</sup> /Gal					
OVERCOATING TABLE	EPOXY system					
	Substrate temp.	5 °C	10 °C	20 °C	30 °C	40 °C
	Minimum interval	15 hrs	9 hrs	4 hrs	2.5 hrs	1.5 hrs
	Max interval (exposed to direct sunshine)	3 months	3 months	2 months	2 months	2 months
	Max interval (not exposed to direct sunshine)	6 months	6 months	6 months	4 months	3 months
MIXING RATIO	Base : Hardener = 16 : 4 (by volume)					
POT LIFE	6 Hours (25°C)					
THINNER	No.1005 Epoxy Thinner (SP-12)					
THINNER RATE	<p>The mixing temperature for the base and hardener should be performed at above 15°C. Or else thinner should be added in order to achieve application viscosity, too much thinner will result in sagging. Well mix the base and hardener before any thinner is added.</p> <p>0~2% (by bush and roller)    0~3% (Airless)</p>					
RECOMMENDED SPEC.	Please refer the painting specification					
SHELF LIFE	Minimum 2 years under normal storage condition					
APPLICATION METHOD	Airless spray, Bush and Roller					
NOTE	<ol style="list-style-type: none"> <li>1. <b>For immersion exposure:</b> <ul style="list-style-type: none"> <li>• Steel or steel with not approved zinc silicate shop primer; blast cleaned (dry or wet) to ISO-Sa2½, blasting profile 30-75 µm.</li> <li>• Coated steel; hydrojetted to VIS WJ2 L (blasting profile 30-75 µm).</li> </ul> </li> <li>2. <b>IMO-MSC.215(82) Requirements for Water Ballast Tanks:</b> <ul style="list-style-type: none"> <li>• Steel; ISO 8501-3:2006 grade P2, with all edges treated to a rounded radius of minimum 2 mm or subject to three pass grinding.</li> <li>• Dust quantity rating "1 for dust size class "3", "4" or "5", lower dust size classes to be removed if visible on the surface to be coated without magnification (ISO 8502-3:1992).</li> </ul> </li> <li>3. <b>For atmospheric exposure conditions:</b> <ul style="list-style-type: none"> <li>• Steel; blast cleaned to ISO-Sa2½, blasting profile 30-75 µm.</li> </ul> </li> <li>4. Substrate temperature should be above 5°C and at least 3°C above dew point during application and curing.</li> <li>5. Maximum relative humidity during application and curing is 85%.</li> </ol>					

EPDM3030803X V1.0

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