



# RAINBOW

## EPOXY MULTI-PURPOSE PRIMER

PRODUCT NUMBER	EP-116																																										
TYPE	The two-pack, universal anticorrosion primer based on epoxy resin, hardener and special pigments.																																										
USES	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.																																										
CHARACTERISTICS	<ol style="list-style-type: none"> <li>1. Simplified procedure, convenient application, unique long terms anticorrosive performance.</li> <li>2. Excellent anticorrosion and adhesion, widely used for shop primer, steel plate (sand-blasted or mechanical surface preparation), aluminum, stainless steel, galvanized steel etc.</li> <li>3. Can be coated with epoxy or polyurethane paint well.</li> <li>4. Excellent resistance to mechanical damage.</li> <li>5. Excellent resistance to sea water and corrosion, suitable for steel and non-ferrous metal.</li> <li>6. Easy application, very fast drying, available for all year round.</li> </ol>																																										
FINISH	Flat																																										
COLOR	Yellowish Green, Grey, Red Oxide																																										
FLASH POINT	26°C																																										
MASS DENSITY	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%																																										
THEORETICAL COVERAGE	30.3 m <sup>2</sup> /Gal      8 m <sup>2</sup> /L @ 75 microns																																										
OVERCOATING INTERVALS	Overcoating table for two-pack type epoxy paint:																																										
	<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</td> <td>6</td> <td>2.5</td> <td>1.5</td> <td>1</td> </tr> <tr> <td></td> <td>hours</td> <td>hours</td> <td>hours</td> <td>hours</td> <td>hour</td> </tr> <tr> <td>Maximum</td> <td>6</td> <td>6</td> <td>6</td> <td>4</td> <td>3</td> </tr> <tr> <td>(No directly exposed to sunshine)</td> <td>months</td> <td>months</td> <td>months</td> <td>months</td> <td>months</td> </tr> <tr> <td>Maximum</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>(Directly exposed to sunshine)</td> <td>months</td> <td>months</td> <td>months</td> <td>months</td> <td>months</td> </tr> </tbody> </table>	Substrate temperature	5°C	10°C	20°C	30°C	40°C	Minimum	13	6	2.5	1.5	1		hours	hours	hours	hours	hour	Maximum	6	6	6	4	3	(No directly exposed to sunshine)	months	months	months	months	months	Maximum	3	3	3	2	2	(Directly exposed to sunshine)	months	months	months	months	months
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MIXING RATIO	Base : Hardener = 80 : 20 (by volume) = 86 : 14 (by weight.)																																										
POT LIFE	6 hrs. (25°C)																																										
THINNER	No.1005 Epoxy Thinner (SP-12)																																										
THINNING RATE	Brush / Roller : 0~5%      Airless spray : 0~10% (Can not be used more than usage amount.)																																										
SUBSEQUENT COATS	Epoxy, Polyurethane, Acrylic, Chlorinated Rubber, Vinyl or Fire-retardant Paint																																										
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.																																										
APPLICATION METHOD	Airless Spray, Brush, Roller																																										
NOTE	<ol style="list-style-type: none"> <li>1. Mix base and hardener according to the mixing ratio and stir thoroughly.</li> <li>2. Adhered moisture, salt, grease, sludge, dust and rust on substrate must be removed thoroughly.</li> <li>3. Surface of steel must be pretreated by sand-blasting to reach ISO-Sa 2 1/2 or with high pressure water-jet to reach VIS WJ 2/3.</li> <li>4. Surface of shop primer must be pretreated by sand-sweeping to reach ISO SS or St3.</li> <li>5. 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>6. When used inside tanks, sufficient ventilation must be provided.</li> </ol>																																										

EPDM33EP116X V1.0

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