



RAINBOW

RAINBOSHIELD 831

PRODUCT NUMBER	30831																		
TYPE	Two component reinforced high solids polyamine adduct cured pure epoxy coating.																		
CHARACTERISTICS	<ol style="list-style-type: none"> Used as primer for the new building system or the maintenance system, including outer hull, weather part, cargo hold, tanks and other areas of ship. Good low temperature curing. Easy to clean. Short curing periods. Tank coating with good chemical resistance against a wide range of chemicals. 																		
GLOSS	Gloss																		
COLORS	Grey, light green																		
PRODUCT WEIGHT	Above 1.4 Kg/L																		
VOC	Max. 248 g/L																		
DRYING TIME	Set-to-touch 2 hrs (25°C)																		
OPTIMUM FILM THICKNESS	Wet 160 ~ 256µ (Micron) Dry 125 ~ 200µ (Micron)																		
VOLUME SOLID	78±2%																		
THEORETICAL COVERAGE	23.6 m ² /Gal 6.24 m ² /L @ 125µ																		
OVERCOATING TABLE	<p>EPOXY system</p> <table border="1"> <thead> <tr> <th>Substrate temp.</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>Min.</td> <td>32 hours</td> <td>24 hours</td> <td>8 hours</td> <td>4 hours</td> <td>3 hours</td> </tr> <tr> <td>Max.</td> <td>28 days</td> <td>28 days</td> <td>28 days</td> <td>14 days</td> <td>7 days</td> </tr> </tbody> </table>	Substrate temp.	5 °C	10 °C	20 °C	30 °C	40 °C	Min.	32 hours	24 hours	8 hours	4 hours	3 hours	Max.	28 days	28 days	28 days	14 days	7 days
Substrate temp.	5 °C	10 °C	20 °C	30 °C	40 °C														
Min.	32 hours	24 hours	8 hours	4 hours	3 hours														
Max.	28 days	28 days	28 days	14 days	7 days														
MIXING RATIO	Base : Hardener = 15 : 5 (by volume)																		
POT LIFE	1 hour (25°C)																		
THINNER	No.1005 Epoxy Thinner (SP-12)																		
THINNER RATE	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. 0~5% (by bush and roller) 0~10% (Airless)																		
RECOMMENDED TOPCOAT	Epoxy · Polyurethane · Acrylic · Oil base · Chlorinated Rubber Paint																		
SHELF LIFE	Minimum one year under normal storage condition																		
APPLICATION METHOD	Airless spray, Bush and Roller																		
NOTE	<ol style="list-style-type: none"> Mix base and hardener according to the mixing ratio and stir thoroughly. Adhered water, grease and dust on substrate must be thoroughly clean. Steel; surface blast cleaned to ISO-Sa2½, roughness 30µ and above, or water-jet to VIS WJ 2/3. Approved shop primer; sweep blasted or power tool cleaned to ISO SS St3. Substrate temperature should be 3°C above dew point, rainy day and relative humidity during application and curing should be below 85%, or job is to be stopped. Whilst application in the confine space, adequate ventilation must be maintenance. 																		

EPDM3030831X V1.1

YUNG CHI PAINT & VARNISH MFG. CO., LTD.

No.26, Yen Hai 3rd Road, Kaohsiung, Taiwan.
<http://www.rainbowpaint.com.tw>

TEL:886-7-8713181
FAX:886-7-8715443