



RAINBOW

RAINBOSHIELD 832

PRODUCT NUMBER	30832																		
TYPE	Two component reinforced high solids polyamine adduct cured epoxy coating.																		
CHARACTERISTICS	<ol style="list-style-type: none"> 1. Coating for cargo tanks of bulk- or oil carriers and store tanks. 2. Build coat for underwater- and boottop systems. 3. Excellent abrasion and impact resistance. 4. Outstanding (sea)water resistance. 5. Good low temperature curing. 6. Easy to clean. 																		
GLOSS	Gloss																		
COLORS	Grey, redbrown																		
VOC	Max. 254 g/L																		
PRODUCT WEIGHT	Above 1.5 Kg/L																		
DRYING TIME	Set-to-touch 3 hrs																		
OPTIMUM FILM THICKNESS	Wet 154 ~ 247 μ (Micron) Dry 125 ~ 200 μ (Micron)																		
VOLUME SOLID	81 \pm 2%																		
THEORETICAL COVERAGE	24.5 m ² /Gal 6.48 m ² /L @ 125 μ																		
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>Minimum interval</td> <td>14 hours</td> <td>7 hours</td> <td>3.5 hours</td> <td>2 hours</td> <td>1.5 hours</td> </tr> <tr> <td>Maximum interval</td> <td>28 days</td> <td>28 days</td> <td>14 days</td> <td>7 days</td> <td>4 days</td> </tr> </tbody> </table>	Substrate temp.	5 °C	10 °C	20 °C	30 °C	40 °C	Minimum interval	14 hours	7 hours	3.5 hours	2 hours	1.5 hours	Maximum interval	28 days	28 days	14 days	7 days	4 days
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MIXING RATIO	Base : Hardener = 15.4 : 4.6 (by volume)																		
POT LIFE	1 hour (20°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 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"> 1. Mix base and hardener according to the mixing ratio and stir thoroughly. 2. Adhered water, grease and dust on substrate must be thoroughly clean. 3. Steel; surface blast cleaned to ISO-Sa2½, roughness 30μ and above, or water-jet to VIS WJ 2/3. 4. Approved shop primer; sweep blasted or power tool cleaned to ISO SS St3. 5. 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. 6. Whilst application in the confine space, adequate ventilation must be maintenance. 																		

EPDM3030832X V1.0

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