



RAINBOW

RAINBOSHIELD 833

PRODUCT NUMBER	30833																		
TYPE	A two-pack high solid glassflake reinforced coating. Based on epoxy resin and hardener with excellent resistance to heavy impact and abrasion.																		
CHARACTERISTICS	<ol style="list-style-type: none"> 1. Anticorrosive suitable for Hull, Deck and Cargo hold. 2. Tough film with good abrasion resistance. 3. General purpose primer suitable for Bulk carrier's cargo hold. 4. Excellent resistance to oil. 5. Excellent resistance to heavy impact and abrasion. 6. Excellent resistance to sea water and rust preventive property. 7. Can be overcoated with various types of coating. 8. Tough and abrasion resistance, high build (320 ~ 400μ can be obtained by two coats). 																		
GLOSS	Flat																		
COLORS	Grey, Redbrown																		
VOC	Max. 263 g/L																		
PRODUCT WEIGHT	Above 1.5 Kg/L																		
DRYING TIME	Set-to-touch 3 hrs Dry hard 8 hrs (25°C)																		
OPTIMUM FILM THICKNESS	Wet 154 ~ 247μ (Micron) Dry 125 ~ 200μ (Micron)																		
VOLUME SOLID	81±2%																		
THEORETICAL COVERAGE	24.5 m ² /Gal 6.48 m ² /L @ 125μ																		
OVERCOATING TABLE	EPOXY system																		
	<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>48 hrs</td> <td>32 hrs</td> <td>16 hrs</td> <td>12 hrs</td> <td>1 hr</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.	48 hrs	32 hrs	16 hrs	12 hrs	1 hr	Max.	28 days	28 days	28 days	14 days	7 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 brush 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. 																		

EPDM3030833X V1.0

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