



RAINBOW

RAINBOSHIELD 833

Glass Flake Reinforced Epoxy

PRODUCT NUMBER	RAINBOSHIELD 833					
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. Tough and abrasion resistance, high build (320 ~ 400µm can be obtained by two coats). 8. Compliant with USA, FDA Title 21, Part 175.300 for dry solid. 					
GLOSS	Flat					
COLORS	Grey, Redbrown					
VOC	190 g/L					
DENSITY	Above 1.5 Kg/L					
DRYING TIME	Set-to-touch 2 hrs		Dry hard 12 hrs (25°C)			
OPTIMUM FILM THICKNESS	Wet 154 ~ 247µm		Dry 125 ~ 200µm			
VOLUME SOLID	81±2%					
THEORETICAL COVERAGE	15.33 m ² /Gal		4.05 m ² /L		@ DFT: 200µm	
OVERCOATING TABLE	EPOXY system					
	Substrate temp.	5 °C	10 °C	20 °C	30 °C	40 °C
	Min.	48 hrs	32 hrs	16 hrs	12 hrs	6 hrs
	Max.	28 days	28 days	28 days	14 days	7 days
MIXING RATIO	Base : Hardener = 15.4 : 4.6 (by volume)					
POT LIFE	1 hour (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>0~5% (by bush and roller) 0~10% (Airless)</p>					
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 V1.3

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