



RAINBOW

RAINBOSHIELD 835

Glass Flake Reinforced Epoxy

PRODUCT NUMBER
TYPE

RAINBOSHIELD 835

A two-pack high solid glass flake reinforced coating. Based on epoxy resin and hardener with excellent resistance to heavy impact and abrasion.

CHARACTERISTICS

1. General purpose suitable for bulk carrier's cargo hold.
2. Tough film with good abrasion resistance.
3. Excellent resistance to oil.
4. Excellent resistance to heavy impact and abrasion.
5. Excellent resistance to sea water and rust preventive property.
6. Compliant with FDA Title 21, Part 175.300 for dry solid. Certification: DJK Ref. No. C25-048.

GLOSS

Flat

COLORS

Grey, Redbrown

VOC

Below 200g/L

DENSITY

1.5±0.05

DRYING TIME

Under good ventilation conditions with a dry film thickness of 150um.

Temperature	5 °C	15 °C	25 °C	40 °C
Touch dry	24hrs	12hrs	8hrs	6hrs
Dry hard	36hrs	24hrs	12hrs	10hrs
Fully cured	14days	9days	7days	5days

OPTIMUM FILM THICKNESS

Wet 188µm Dry 150µm

VOLUME SOLID

80±2%

THEORETICAL COVERAGE

20.1 m²/Gal 5.3 m²/L @ DFT : 150µm

OVERCOATING TABLE

For 150um dry film epoxy systems, the surface must be dry and free of contaminants.

Temperature	5 °C	15 °C	25 °C
Min.	30hrs	18hrs	8hrs
Max.	28days	14days	10days

MIXING RATIO

Base : Hardener = 16 : 4 (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% (brush and roller) 0~10% (air spray) 0~5% (airless)

RECOMMENDED SPEC

Please refer the painting specification

SHELF LIFE

Minimum one year under normal storage condition

APPLICATION METHOD

Air spray, Airless spray, Brush and Roller

Airless spray: tip size: 0.025"-0.031". Pump ratio: 60:1

NOTE

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 above 30µm or water-jet to VIS WJ 2L roughness above 30µm.
4. 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.
5. Whilst application in the confine space, adequate ventilation must be maintained.

EPDM3030835X 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