



RAINBOW

RAINBOSHIELD 835

Glass Flake Reinforced Epoxy

PRODUCT NUMBER

TYPE

CHARACTERISTICS

GLOSS

COLORS

VOC

DENSITY

DRYING TIME

OPTIMUM FILM THICKNESS

VOLUME SOLID

THEORETICAL COVERAGE

OVERCOATING TABLE

MIXING RATIO

POT LIFE

THINNER

THINNER RATE

RECOMMENDED SPEC

SHELF LIFE

APPLICATION METHOD

NOTE

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.

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.

Flat

Grey, Redbrown

Below 200g/L

1.5±0.05

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

Wet 188μm Dry 150μm

80±2%

20.1 m²/Gal 5.3 m²/L @ DFT : 150μm

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

Base : Hardener=16 : 4 (by volume)

1 hour (25°C)

No.1005 Epoxy Thinner (SP-12)

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% (bush and roller) 0~10% (air spray) 0~5% (airless)

Please refer the painting specification

Minimum one year under normal storage condition

Air spray, Airless spray, Bush and Roller

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

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

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