



RAINBOW

RAINBOXY 851

Epoxy Mastic Coating

PRODUCT NUMBER
TYPE
CHARACTERISTICS

RAINBOXY 851

Two component surface tolerant high build polyamine cured epoxy primer/coating.

1. Particularly suited as maintenance coating for dry cargo holds, decks and hulls.
2. General purpose epoxy build or finish in protective coating systems for steel and concrete structures exposed to atmospheric land or marine conditions.
3. Surface tolerant coating for lower grade of steel preparation.
4. Compatible with various aged coatings.
5. Excellent corrosion resistance.
6. Resistant to splash and spillage of a wide range of chemicals.
7. Good flexibility.

GLOSS
COLORS
VOC
PRODUCT WEIGHT
DRYING TIME
OPTIMUM FILM THICKNESS
VOLUME SOLID
THEORETICAL COVERAGE
OVERCOATING TABLE

Semigloss

Green, grey, redbrown, black, aluminum

Max. 259 g/L

Above 1.3 Kg/L

Set-to-touch 4 hrs Dry hard 8 hrs (25°C)

Wet 150 ~ 241µ (Micron) Dry 125 ~ 200µ (Micron)

83±2%

25.1 m²/Gal 6.64 m²/L @ 125µ

EPOXY system

| Substrate temp. | 10 °C | 20 °C | 30 °C | 40 °C |
|------------------|----------|----------|---------|---------|
| Minimum interval | 20 hours | 9 hours | 5 hours | 3 hours |
| Maximum interval | 6 months | 3 months | 1 month | 1 month |

MIXING RATIO
POT LIFE
THINNER
THINNER RATE

Base : Hardener = 16.6 : 3.4 (by volume)

1.5 hrs (20°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% (by bush and roller) 0~10% (Airless)

Please refer the painting specification

Minimum one year under normal storage condition

Airless spray, Bush and Roller

RECOMMENDED SPEC.
SHELF LIFE
APPLICATION METHOD
NOTE

1. for atmospheric exposure conditions:

- steel; blast cleaned to ISO-Sa2½, for excellent corrosion protection
- steel; blast cleaned to ISO-Sa2, blasting profile 40-70 µm or power tool cleaned to ISO-St2 for good corrosion protection.

2. for immersion in sea water:

- steel; blast cleaned to ISO-Sa2½, blasting profile 40-70 µm
- steel with approved zinc silicate shop primer; sweep blasted to SPSS-Ss or power tool cleaned to SPSS-Pt3.

EPDM3030851X V1.1

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