RAINBOPRIME 803

PRODUCT NUMBER

30803

TYPE

CHARACTERISTICS

Two component multi-purpose polyamide cured anticorrosive epoxy system.

- 1. General purpose epoxy primer/coating in protective coating systems for steel and non ferrous
- 2. Good adhesion to steel and galvanized steel.
- 3. Cures at temperatures down to 5°C.
- 4. Good water and corrosion resistance.
- 5. Good flow and wetting properties.
- 6. Good adhesion to non ferrous metals.
- 7. Suitable for touching up of weld seams and damages of epoxy coatings during construction.

8. Suitable on wet blast cleaned substrates(damp or dry).

GLOSS

VOC **COLORS**

PRODUCT WEIGHT

DRYING TIME **OPTIMUN FILM THICKNESS**

VOLUME SOLID

THEORETICAL COVERAGE **OVERCOATING TABLE**

Max. 319 g/L Grey, Brown

Eggshell

Above 1.3 kg/L Set-to-touch 2 hours

Dry hard 6 hourrs (25°C) Wet $150 \sim 300 \mu$ (Micron) 80 % Dry 120 ~ 240μ (Micron)

13.0~26.0 m² /Gal

EPOXY system

6 Hours (25°C)

Substrate temp.	5 ℃	10 °C	20 °C	30 °C	40 °C
Minimum interval	15 hrs	9 hrs	4 hrs	2.5 hrs	1.5 hrs
Max interval (exposed to direct sunshine)	3 months	3 months	2 months	2 months	2 months
Max interval (not exposed to direct sunshine)	6 months	6 months	6 months	4 months	3 months

MIXING RATIO **POT LIFE**

THINNER

THINNER RATE

No.1005 Epoxy Thinner (SP-12)

Please refer the painting specification

Base: Hardener=16: 4 (by volume)

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.

 $0\sim3\%$ (Airless) $0\sim2\%$ (by bush and roller)

RECOMMENDED SPEC.

SHELF LIFE

APPLICATION METHOD

NOTE

Minimum 2 years under normal storage condition

Airless spray, Bush and Roller

- 1. For immersion exposure:
 - Steel or steel with not approved zinc silicate shop primer; blast cleaned (dry or wet) to ISO-Sa2½, blasting profile 30-75 µm.
 - Coated steel; hydrojetted to VIS WJ2 L (blasting profile 30-75 µm).
- IMO-MSC.215(82) Requirements for Water Ballast Tanks:
 - Steel; ISO 8501-3:2006 grade P2, with all edges treated to a rounded radius of minimum 2 mm or subject to three pass grinding.
 - Dust quantity rating "1 for dust size class "3", "4" or "5", lower dust size classes to be removed if visible on the surface to be coated without magnification (ISO 8502-3:1992).
- For atmospheric exposure conditions:
 - Steel; blast cleaned to ISO-Sa2½, blasting profile 30-75 μm.
- Substrate temperature should be above 5°Cand at least 3°Cabove dew point during application and curing.
- Maximum relative humidity during application and curing is 85%.

EPDM3030803X V1.0

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