



# RAINBOW

## RAINBOPRIME 803LT

High Solids Epoxy Coating ( Low-Temp )

PRODUCT NUMBER  
TYPE  
CHARACTERISTICS

RAINBOPRIME 803LT

Two component multi-purpose polyamide cured anticorrosive epoxy system.

1. General purpose epoxy primer/coating in protective coating systems for steel and non ferrous metals.
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. Excellent recoatability.

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

Eggshell

Various other colors.

Max. 319 g/L

Above 1.3 kg/L

Set-to-touch 2 hrs

Dry hard 6 hrs (25°C)

Wet 139 ~ 278µ (Micron) Dry 100 ~ 200µ (Micron)

80 %

27.3 m<sup>2</sup>/Gal

EPOXY system

Substrate temp.	-10 °C	-5 °C	0 °C	5 °C	15 °C
Minimum interval	48 hours	28 hours	21 hours	12 hours	6 hours
Max interval (exposed to direct sunshine)	2 months	2 months	2 months	1 months	1 months
Max interval (not exposed to direct sunshine)	3 months	3 months	3 months	2 months	1 months

MIXING RATIO  
POT LIFE  
THINNER  
THINNER RATE

Base : Hardener = 16 : 4 (by volume)

6 Hours (10°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.  
0~2% (by bush and roller) 0~3% (Airless)

RECOMMENDED TOPCOAT  
SHELF LIFE  
APPLICATION METHOD  
NOTE

Epoxy finish coat (An extra coat of Polyurethane can overcoat with epoxy finish coat)

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).

2. **For atmospheric exposure conditions:**

- Steel; blast cleaned to ISO-Sa2½, blasting profile 30-75 µm.
3. Substrate temperature should be above -10 °C and at least 3°C above dew point during application and curing.
  4. Maximum relative humidity during application and curing is 85%.

EPDM3030803L V1.1

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