

EPOMARINE PC 100 PRIMER

CODE : 474-058/059

PROTECTIVE COATING

EPOXY

DESCRIPTION

A high build rust preventive primer for steel based on solid epoxy resin with chemical resistance incorporated and amine adduct hardener.

USE

Rust preventive primer for cargo oil tank, solvent tank (mainly aliphatic hydrocarbon) fuel oil tank, lubricating oil, sea water, edible oil tank, etc.

COLOR AND GLOSS LEVEL APPEARANCE

- Oxide red
- Gloss Level : Sheen

BASIC DATA

Data for mix product	
Application Method	Airless spray, Air spray, Brush or Roller
Specific Gravity	1.21 g/ml (mixtures, white)
Volume Solids	63% (mixtures)
VOC	448 g/Liter (Method 24 analysis)
Flash point	Base : 14°C Hardener : 4°C
Mixing Ratio	Base : Hardener = 4 : 1 by weight
Recommended DFT	100 micron/coat
Theoretical Coverage	4.3 m ² /Kg at DFT 100 micron 5.2 m ² /Liter at DFT 100 micron *Practical coverage vary depending on loss factor
Pot Life	At temperature 10°C 20°C 30°C 12 hours 8 hours 5 hours *Use all mixed paint within pot life
Packaging	4 Kg (3.14 Liter) Base in 5 Liter container 1 Kg (1.02 Liter) Hardener in 1 Liter container

SURFACE PREPARATION SUMMARY TABLE

Substrate	Surface Preparation	
	Minimum	Recommended
Carbon Steel	St 3 (ISO 8501-1)	Sa 2 ½ (ISO 8501-1)

APPLICATION

Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be minimum of 3°C above dew point.

Adequate ventilation shall be provided in confined spaces to ensure proper drying

Mixing	This material is a two component coating. Always mix a complete set unit in the proportion supplied. After mix, use all mixed paint within pot life specified 1). Stir Base (Part A) with power agitator 2). Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator	
Airless Spray	Recommended	Nozzle Tip : 0.43 – 0.53 mm Nozzle Pressure : Not less than 10MPa
Air Spray (Conventional)	Recommended	Nozzle Orifice : 1.5 – 2 mm Nozzle Pressure : 0.3 – 0.4 MPa
Brush	Recommended	Typically 40 – 60µ can be achieved
Roller	Recommended	Typically 40 – 60µ can be achieved
Thinner	Epomarine Thinner	Max 10% depend on application method

Over coating interval for DFT 100 micron				
Over-coating with	Interval	10°C	20°C	30°C
Epoxy, Polyurethan coating	Minimum	48 hours	24 hours	16 hours
	Maximum	1 month	1 month	1 month

Curing time DFT to 100 micron			
Substrate temperature	Dry to touch	Dry to handle	Full cure
10°C	16 hours	48 hours	7 days
20°C	10 hours	24 hours	7 days
30°C	6 hours	16 hours	7 days

SAFETY PRECAUTIONS

For paint and recommended thinners, see safety sheet and relevant material safety data sheet
This is a solvent borne paint and care should be taken to avoid inhalation of spray mist of vapor as well as contact between the wet paint and exposed skin or eyes

- Avoid at all times inhalation or aerosol spray-mist
- Harmful by inhalation and in contact with skin
- Highly flammable liquid and vapor
- Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment

STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations

DISCLAIMER

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