

SD MARINE ZINC PHOSPHATE PRIMER

Code: 132-010

PROTECTIVE COATING

ALKYD

DESCRIPTION

A rust preventive primer for steel based on alkyd resin with zinc phosphate.

USE

Rust preventive primer for top side, weather deck, superstructure, and other steel part.

COLOR AND GLOSS LEVEL APPEARANCE

- Grey
- Gloss Level : Sheen

BASIC DATA

Data for mix product	
Application Method	Airless spray, Air spray, Brush or Roller
Specific Gravity	1.37 g/ml
Volume Solids	73.00%
VOC	370 g/Liter (i.e Method 24 analysis)
Flash point	42°C
Recommended DFT	35 micron/coat (maximum DFT 70 μ)
Theoretical coverage	16 m ² /Liter at DFT 35 micron 12 m ² /Kg at DFT 35 micron *Practical coverage vary depending on loss factor
Packaging	5 Liter (6.85 Kg) in 5 Liter container.

SURFACE PREPARATION SUMMARY TABLE

Substrate	Surface Preparation	
	Minimum	Recommended
Carbon Steel	St 2 (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 one component coating. Stir paint in container with power agitator well before using	
Airless Spray	Recommended	Nozzle Tip : 0.38 – 0.48 mm Nozzle Pressure : Not less than 10MPa
Air Spray (Conventional)	Recommended	Nozzle Orifice : 1.5 – 2.0 mm Nozzle Pressure : 0.3 – 0.4 MPa
Brush	Recommended	Typically 20 – 30μ can be achieved
Roller	Recommended	Typically 20 – 30μ can be achieved
Thinner	SD Marine Thinner	max 15% depend on application method

Over coating interval for DFT 35 micron

Over-coating with	Interval	10°C	20°C	30°C	30°C	40°C
		Chlorinated rubber, and alkyd coating	Minimum 24 hours	18 hours	16 hours	16 hours
	Maximum	7 days	7 days	7 days	7 days	7 days

Curing time DFT to 35 micron

Substrate temperature	Dry to touch	Dry to handle	Full cure
10°C	16 hours	72 hours	7 days
20°C	10 hours	48 hours	7 days
30°C	6 hours	24 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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