HEAT REFLECTION PRIMER WHITE

CODE : 471-104

PROJECT

OTHER

DESCRIPTION

A rust preventive primer for steel, zinc galvanized steel and non-ferrous metals, based on epoxy resin and amine adduct hardener.

USE

Steel structure at marine or industrial severe corrosive environment.

COLOR AND GLOSS LEVEL APPEARANCE

1. White only
2. Gloss Level : Matt

BASIC DATA

Data for mix product				
Application Method	Airless spray, Air spray, Brush or Roller			
Specific Gravity	1.34 g/ml (mixtures, white)			
Volume Solids	67.5% (mixtures)			
VOC	332 g/Liter (Method 24 analysis)			
Flash point	Base : 4°C		Hardener : 23°C	
Mixing Ratio	Base : Hardener = 9 : 1		by weight	
Recommended DFT	60 micron			
Theoretical Coverage	11 m^2/Kg at DFT 60 micron 15.7 m^2/Liter at DFT 60 micron *Practical coverage vary depending on loss factor			
Pot Life	At temperature	10°C 12 hour	20°C 8 hour	30°C 6 hour
	*Use all mixed paint within pot life			
Packaging	18 Kg (12.5 Liter) Base in 20 Liter container 1 Kg (0.98 Liter) Hardener in 1 Liter container			

SURFACE PREPARATION SUMMARY TABLE

Substrate	Surface Preparation	
	Minimum	Recommended
Coated Surfaces	Clean, dry and undamaged compatible coating. Soft sanding if necessary Remove rust, mill scale and other loose material, or power tools cleaning (SPCC SP3 : St2/St3)	Clean, dry and undamaged compatible coating. Soft sanding if necessary Remove rust, mill scale and other loose material completely by dry abrasive blasting (180 8501 Sa 2½)

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 10 MPa
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	Tect EP Thinner	Max 10% depend on application method

Over coating interval for DFT 125 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 125 micron			
Substrate temperature	Dry to touch	Dry to handle	Full cure
10°C	12 hours	48 hours	7 days
20°C	8 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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TECHNICAL DATA SHEET KANSAI PAINT