

# KANSAI PRIMER SP

CODE : 150-001

PROTECTIVE COATING

ALKYD

## DESCRIPTION

A quick drying rust preventive primer for metal based on alkyd phenolic modified resin with zinc phosphate as rust preventive pigment.

## USE

As primary coat for steel structure, steel pipe, electric tower, etc. Both exterior and interior.

## COLOR AND GLOSS LEVEL APPEARANCE

- Grey
- Gloss Level : Matt

## BASIC DATA

Data for mix product	
Application Method	Airless spray, Air spray, Brush or Roller
Specific Gravity	1.42 g/ml
Volume Solids	62.00%
VOC	540 g/Liter (i.e Method 24 analysis)
Flash point	42°C
Recommended DFT	40 micron/coat
Theoretical Coverage	10 m <sup>2</sup> /Kg at DFT 40 micron 14 m <sup>2</sup> /Liter at DFT 40 micron *Practical coverage vary depending on loss factor
Packaging	25 Kg (17.6 Liter) in Pail can.

## 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 10 MPa
Air Spray (Conventional)	Recommended	Nozzle Orifice : 1.5 – 2.0 mm Nozzle Pressure : 0.3 – 0.4 MPa
Brush	Recommended	Typically 25 – 35µ can be achieved
Roller	Recommended	Typically 25 – 35µ can be achieved
Thinner	Primer SP Thinner	Max 10% depend on application method

### Over coating interval for DFT 40 micron

Over-coating with	Interval	20°C	30°C	40°C
alkyd coating	Minimum	4 hours	1 hours	30 minutes
	Maximum	7 days	7 days	7 days

### Curing time DFT to 40 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

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