



Technical Datasheet

Red Oxide Primer

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Product Description

A general-purpose, solvent-borne alkyd primer with red iron oxide pigment, formulated to provide effective rust protection and anti-corrosive performance in moderately corrosive environments.

Intended Use

Intended for use as a primer on interior and exterior structural steel, fabricated metal components, scaffoldings, and steel equipment.

Physical Properties

PROPERTY	TYPICAL VALUE	TEST METHOD
Finish	Matt (<10 GU at 60°)	
Color	Red-Brown	
Volume Solids	55+-2%	ASTM D2697
Specific Gravity (g/cm ³)	1.6+-0.03	ASTM D1475
Viscosity @ 25°C	90KU	ASTM D562
Theoretical Spread rate	13.75 M ² / LTR @ 40micron DFT/coat	
Flash Point	38°C	
VOC	<450g/L	ASTM D3960

Application Information

Surface Preparation

- Substrate surface must be clean, dry, and free from dust, oil, grease, salt and mold.
- Fabrication defects like weld spatter, sharp edges etc., should be repaired prior to application.

Application Conditions

- Temperature of the substrate should be >5°C above the dew point.
- Temperature during application should be greater than 10°C.
- Relative humidity should be <85%.

Coating system

- Primer: 1 or 2 coats of Jotech Alkyd Red oxide Primer
- Topcoat: 2 coats of Jotech Enamel

Application Method

	BRUSH / ROLLER	AIR SPRAY	AIRLESS SPRAY
Thinner	Jotech GP Thinner	Jotech GP Thinner	Jotech GP Thinner
Thinning (by Volume)	5-10%	10-15%	0-5%
Nozzle Orifice		1.5mm – 1.8mm	0.015"
Nozzle pressure		30-45 psi	2000-2200 psi
Spray angle		40°- 80°	40°- 80°

Film Thickness and Spreading Rate

	RANGE	RECOMMENDED
Dry film thickness (DFT)	25-75 micron	40 micron
Wet film thickness (WFT)	45-136 micron	73 micron
Theoretical spreading rate (m ² /L)	22-7.3	13.75

Drying Time and Recoating Intervals

Touch dry	1 hour
Hard dry	24 hours
Dry to recoat	12 hours

Shelf life & Packaging

- 24 months @ 25°C in original sealed packaging from the date of manufacture.
- Available in 0.9Liter, 3.6 Liters, 18 Liters.

Storage

- The container should be kept in sealed, dry, cool (@ 25°C to 30°C) & well -ventilated place, away from direct sunlight, heat - in accordance to local statutory regulations.
- Keep away from ignition sources, sparks and open flames.

Handling & Safety Precautions

Please read and follow all safety precautions as outlined in the MSDS for this product. Strictly avoid contact of liquid paint with eyes and skin, and avoid inhalation of paint mist or vapors. Use appropriate personal protective equipment, including gloves, masks, and protective clothing, during application. When applying paint in areas with insufficient ventilation, ensure that forced ventilation is provided. Keep the product out of reach of children.

Paint wastes and empty containers should be disposed of in accordance with local statutory and environmental regulations. The information provided in this Technical Data Sheet is based on laboratory testing and practical experience. Jotech Paints makes no warranty regarding the results obtained and assumes no liability for improper use or application. Users should verify the suitability of the product for their specific purpose prior to use.

Disclaimer:

The information provided in this Technical Data Sheet is based on laboratory tests and practical experience and is true & accurate to the best of our knowledge at the time of issue. However, since the conditions of application, surface preparation, substrate variability, and environmental factors are beyond our control, no warranty, implied is given regarding the performance or suitability of the product for any particular purpose. If the product is being used other than the recommendations in this sheet without prior consulting to our Technical support team, the user should take accountability in this regard. We reserve the right to modify the product specifications without prior notice.