



# Technical Datasheet

## Enamel Zinc Phosphate Primer

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## Product Description

A premium solvent-borne alkyd primer containing Zinc Phosphate pigment, specially formulated to deliver reliable anti-corrosive (rust-inhibiting) performance in moderately corrosive environments.

## Intended Use

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

## Physical Properties

PROPERTY	TYPICAL VALUE	TEST METHOD
Finish	Matt (<10 GU at 60°)	
Color	White, Grey and other colors	
Volume Solids	56+-2%	ASTM D2697
Specific Gravity (g/cm <sup>3</sup> )	1.62+-0.03	ASTM D1475
Viscosity @ 25°C	95KU	ASTM D562
Theoretical Spread rate	11.2M <sup>2</sup> / LTR @ 50micron 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 Zinc Phosphate Primer
- Topcoat: 2 coats of Jotech Enamel

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## Application Method

	<b>BRUSH / ROLLER</b>	<b>AIR SPRAY</b>	<b>AIRLESS SPRAY</b>
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

	<b>RANGE</b>	<b>RECOMMENDED</b>
Dry film thickness (DFT)	40-100 micron	50 micron
Wet film thickness (WFT)	71-178 micron	89 micron
Theoretical spreading rate (m <sup>2</sup> /L)	14-5.6	11.2

## Drying Time and Recoating Intervals

Touch dry	45 minutes
Hard dry	24 hours
Dry to recoat	6-8 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.

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