

Falco Zinc Phosphate Primer

Product Description

Falco Zinc Phosphate Primer is based on Alkyd resin zinc phosphate high performance anti corrosion one pack primer. It is durable and enhances adhesion to the substrate.

Recommended Usage

To be used on interior and exterior surfaces such as iron, steel and non-ferrous metals including galvanized steel.

Technical Data

Color	White, Red Oxide & Grey.		
Finish	Smooth / Matt		
Solid contents	50 % ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	80	120	100
Dry film thickness (microns)	40	60	50
Theoretical spreading rate (m ² /ltr.)	12.5	8	10
Viscosity	1-2 min. by ford cup no. 4 @ 25°C		
Specific gravity	1.30 ± 0.05 gm/cm ³		
Drying time	Dry to touch (hours)		4
	Dry to recoat (hours)		12
Thinner / Cleaning	Falco Thinner 1000		

Hint

Theoretical spreading rate is a value that depends on solid content and desired dry film thickness by the following equation:

$$\text{Theoretical spreading rate} = \frac{10 \times \text{solid content by volume}}{\text{DFT in microns}}$$

Application Data

Surface Preparation

The surface must be clean, dry and free from dust, oil, grease and any contaminations.

Tools

Brush, roller or spray.

Spray Data

Pressure at nozzle : 150 kg/cm² (2100 PSI)
 Nozzle tip (inches) : 0.015 - 0.017
 Spray Angle : 65 - 80°
 Filter : be sure that the filters are clean.

Application Method

Apply one coat of Falco Zinc Phosphate Primer by brush, roller or spray thinned with Thinner 1000 (10-15% by volume).

Recommended paint system :

- Falco Zinc Phosphate Primer 1 coat
- Falco Lac Enamel 2 coats

Note1: Two component top coat is not allowed to use over [Zinc Phosphate Primer](#).

Note2: paint system may be varying according to the substrate.

Packing size

- 1 liter, 1 US gallon and 5 US gallons steel cans (for local).
- 1 liter, 1 US gallon, 18 liters steel cans (for export).

Storage

- The product should be stored in a dry, cool place and away from direct sun light.
- Cans should be well closed, classified according to the base and to be arranged by a maximum 3 plastic cans/row and 5 steel cans/row.

Health and safety

- Inhalation Risks:

Vapor or mist can cause headache, nausea & irritation of the nose throat & lungs.

- Skin & Eye Contact:

Use good personal hygiene practices while working with this material. Dry contaminated clothing before reuse. For eye contact, flush with fresh water for at least 15 minutes. If irritation persists, get medical attention.

- Skin Absorption : Not expected.

- Ingestion Health Risks:

It may be harmful or fatal if swallowed. ingestion may cause nausea, vomiting & diarrhea. Consult a physician.

- Health Hazards : Acute & chronic (not expected).

- Emergency & First Aid Procedures:

1. Dermal : Clean with soap & water.
2. Ingestion : Consult a physician.
3. Inhalation : Remove to fresh air.

Fire & Fire Fighting Data

- Flash Point : 38° C.
- Flammable limits : None.
- Extinguishing media : Foam, Alcohol Foam, CO2 and dry chemical.

Physical / Chemical Characteristics

- Vapor Density : Heavier than air.
- Evaporation Rate : Slower than other.
- Solubility in Water : Soluble.
- Appearance/Odor : Liquid, Mild Odor

For more information please refer to the Material Safety Data Sheet.