

## Gulf Guard ZP HB Primer

### Product Description

Gulf Guard ZP HB primer is a two component Zinc Phosphate Polyamide - cured epoxy, anti-corrosive primer. It forms a durable coating system with wide range of top coats.

### Recommended Usage

It is an ideal anti-corrosive Primer for all industrial uses on steel, galvanized and structural machinery pipe, lines, storage tanks etc..

### Technical Data

Color	Off White or red oxide		
Finish	Smooth / Matt.		
Solid contents	54 % ± 2 by volume		
	Minimum	Maximum	Typical
Wet film thickness (microns)	167	204	185
Dry film thickness (microns)	90	110	100
Theoretical spreading rate (m <sup>2</sup> /ltr.)	6	5	5.4
Viscosity	8 – 10 Poises @ 25°C		
Specific gravity	1.35 ± 0.05 gm/cm <sup>3</sup>		
Drying time	Dry to touch (hours)	3	
	Dry to recoat (hours)	5	
	Fully cured (days)	7	
Thinner / Cleaning	Falco Thinner 2050		
Mixing ratio	4 parts A (base) : 1 part B (hardener)		
Pot life	4 Hrs. @ 25°C to be less at higher temp.		

### 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/cm<sup>2</sup> (2100 PSI)  
 Nozzle tip (inches) : 0.015 - 0.018  
 Spray Angle : 65 - 80°  
 Filter : be sure that the filters are clean.

## EPOXY BASE

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### Application Method

Apply one coat of [Gulf Guard ZP HB Primer](#) by brush, roller and spray thinned with Thinner 2050 (10-15% by volume).

### Recommended paint system (normal steel):

- Falco General Purpose epoxy primer 1 coat
- [Gulf Guard ZP HB Primer](#) 1 coat
- Falco Thane 2 coats

### Recommended paint system (galvanized steel):

- Falco Wash Primer 1 coat
- [Gulf Guard ZP HB Primer](#) 1 coat
- Falco Thane 2 coats

### **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	: closed cup 24 -25° 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.
Odor	: Liquid, Mild Odor

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