

# HIND EPZ 107

TWO COMPONENT EPOXY ZINC PHOSPHATE PRIMER



## DESCRIPTION

Hind EPZ 107 is a two-component polyamide based zinc phosphate primer.

## USES

It is recommended to be applied on any iron or metal surface for household application like Kitchen, Toilets, Balcony grills etc. for high longevity.

## ADVANTAGES

- Easy application by brush or Spray.
- General purpose Anti-corrosive primer coating system.
- Excellent resistance to water and mild chemicals.
- Top coating with epoxy, chlorinated rubber, acrylic and polyurethane finish paints can be done.

## APPLICATION

### Surface Preparation

**Steel:** Remove grease, oil and other contaminants Blast clean to a minimum of Sa2<sup>1/2</sup> Swedish standard SIS 05 5900 with a surface profile not exceeding 35-40 microns. The surface should be clean and dry before application of appropriate primer.

### Application

Stir the base thoroughly and then mix three parts of base and one part of catalyst by volume to uniform consistency. Allow the mixture to settle for 30 minutes and stir again before application and occasionally due use.

**Brush:** Apply without thinning. However, if required during application add max 5% Epoxy Thinner.

**Conventional Spray:** Add up to **10%** Epoxy Thinner depending on conditions. Use any standard equipment at atomizing pressure of **3.5-4.2Kg/cm<sup>2</sup>**

**Airless Spray:** Apply preferably without thinning. However, up to 5% JK Epoxy Thinner may be added if absolutely essential depending on conditions. Use any standard equipment having pump ratio 30:1. Tip size 0.38-0.43 mm. Tip pressure **110-140 Kg/cm<sup>2</sup>**

## PROPERTIES

Aspect	Two pack system cured with polyamide.
Composition	Catalyzed Epoxy Resin / Zinc Phosphate
Mixing Ratio	<b>4 parts (by weight) Base: 1 part (by weight) Catalyst</b>
Pot Life	5-6 hours at 25°C
Application	Brush, Airless or Conventional Spray
Recommended DFT	25-35 microns per coat
Corresponding WFT	57-80 microns per coat
Theoretical Spreading Rate	12.6-17.6 Sq. Mtr./Kg/Coat
Drying Time	Touch Dry 1 hour Handle Dry 4 hours Hard Dry Overnight
Curing Time	6-7 days

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Over Coating Time	Min: Overnight Max: Indefinite
Flash point	Above 22°C
Colour	Red Oxide & Grey
Finish	Matt
Thinner/ Cleaner	Epoxy Thinner

RESISTANCE GUIDE	
<b>Chemical Resistance:</b>	
EXPOSURE	SPLASH & SPILLAGE
Acids	Good
Alkalis	Good
Solvents	Very Good
Salt	Very Good
Water	Very Good

<b>Temperature Resistance: Continuous: 93°C, Intermittent: 120°C</b>
<b>Weather ability:</b> Very good in combination with suitable primer
<b>Flexibility:</b> Good
<b>Abrasion Resistance:</b> Fair

### NOTE:

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10°C or rise above 50°C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. Brushes and spray equipment should be cleaned with JK Epoxy Thinner otherwise equipment is likely to be damaged

### SHELF LIFE

Best before 12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 10°C (Min.) and 50°C (Max.).

### PACKING

4 & 20 Kg Container or as required

### HANDLING PRECAUTIONS

Hind EPZ 107 is non-toxic and ingestion must be avoided. Any splashes on skin happen, immediately wash with water. If contact with eyes occur, immediately wash with water and seek medical advice.

### IMPORTANT NOTICE :

Hindcon Chemicals maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products. The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.

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