



Manufacturer of Industrial,  
Protective, Marine Traffic, Automotive  
& Decorative Paints



## Zinc Phosphate Epoxy Polyamine Primer

KRS-214



### Description & Recommended Use

It is a two-component coating base on epoxy resin and includes zinc chromate as anti-corrosive pigment so this is one of the best anti-corrosive products which are recommended in the severe atmosphere or chemical condition. This primer can be coated by a variety of compatible mid or top coats such as epoxy, polyurethane, and etc. It has very good adhesion to and used for steel structure, machineries, pipes, tanks, bridges, power plants, refineries and industrial environments.

### Surface Preparation

The surface should be free from any rust, moisture, mill scale, oil & grease

Mechanical & chemical surface preparation methods should be performed depending on the type of contamination, the coating system environmental condition & the service life

Apply the paint immediately followed by surface preparation

### Data Sheet / Technical Data at 25 ° C

Binder	epoxy – polyamide
Components	two
Colour	white
Finish	Matt
Density (gr/cm <sup>3</sup> ) (A+B)	1.33±0.1
solid Contents (by weight) (A+B)	68%±2
Solid Contents (by volume) (A+B)	50%±3
Dry film thickness(μ)	70±5
Theoretical coverage at 5 mm	7.1±0.4m <sup>2</sup> /lit
Flash point	25 ° C
Storage condition	12-month

### Technical Application Details at 25 ° C

Curing mechanism	Chemical reaction & solvent release
Mixing ratio (by weight) (A/B)	4/1
Mixing ratio (by volume) (A/B)	----
Pot life	8 hours
Thinner	239
Dry to touch	1.5 hours
Dry to handle	6 hours
Fully cured	2 weeks
Min. time to overcoat	24 hours
Max. time to overcoat	2 weeks
Shelf life (Standard condition)	12 month

### Description

#### Application Equipment

- Conventional Spray
- Airless Spray



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Brush

## Code

### Environmental Conditions

Air temperature: 10°C – 40°C

Surface temperature: 10°C – 40°C

To prevent moisture condensation

During application surface temperature must be at 3 °C above the dew point

## Application procedure

Flush equipment with cleaner before use

Stir two components with a power mixer. Notice pot life time and mixing ratio

Use Shakiba`s thinner for adjusting the viscosity

The thinner should be added gradually

The consumption depends on temperature and type of equipment and thickness paint

Clean all equipment with Shakiba`s thinner.

## Safety

This product is flammable it must be kept away from heat, flash & flame

keep container closed use with adequate ventilation & Earth

Prolonged & repeated contact with skin may be harmful

In case of eye contact flush with plenty of water and check with a medical doctor.

## Note

Density, solid contents theoretical coverage is dependent on colour

Pot life, drying time is dependent on air and steel temperature, applied film thickness.

Never apply coatings under environmental condition.

This information given 25°C temperature and changed temperature cause to change data.

Don't use different thinner; otherwise, we decline all responsibilities of it.

For more information, please call to sale engineering expert.



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