



## Product Description

Alkyd Phenolic Zinc Phosphate Primer is an one component alkyd primer containing zinc Phosphate anti -corrosive pigment with good resistance to abrasion and corrosion agents, with hardness and adhesion properties more than other types of alkyd.

## Recommended Use

This coating (in alkyd system) is used for blast steel structures in semi-industrial environments above water where fast drying , rapid handling and rapid over coating properties are required.

## Surface Preparation

- 1: Apply the paint only clean and dry surfaces. Remove all grease, oil soluble contaminants and other detrimental foreign matter by solvent cleaning (SSPC-SP1).
- 2: For steel surfaces optimum performance "near white blast cleaning" Sa 2 1/2(ISO8501-1:1988) or (SSPC-SP10) is recommended.
- 3: For previously painted surfaces, remove all mill scale, loose rust, loose paint and other detrimental foreign matter by "Hand or Power Tool Cleaning " (SSPC-SP2 or SP3, respectively).

## Product Description

Shade:	RAL color
Glossy:	Matt
Percentage of Volume Solid:	45%-50%
Percentage of Pigment & extender :	52%-55%
Percentage of Vehicle:	44%-47%
Wet film thickness:	100-130μ
Dry film thickness:	50-60μ
Theoretical Coverage:	5-6 m <sup>2</sup> /kg
Specific gravity :	1.5-1.6Kg/Lit
Viscosity:	110-120 k
Salt spray chamber test:	200-300h ( ASTM B-117)
Humidistatic chamber test:	200-300h (ASTM D -2247)
Thinner :	Alkyd Thinner Rangin Zereh Sepahan
Shelf life:	12 month

Temperature	Touch dry	Full cure	Interval coating
15°C	2-3hours	Minimum 7 days	24-36hours
25°C	1-2hours	7 days	18-24 hours
40°C	Maximum 1hours	5-7 days	16hours





## Environmental Conditions

To prevent moisture condensation during application surface temperature must be at least 3 °C above the dew point .In hot climate, material temperature should be 20 to 25°C.For satisfactory cure air and surface temperature must be above 10°C.Never apply coatings under reverse environmental condition .Paint shall not be applied when wind speed is in excess of 7 m/s.

## Application Details

Airless spray	Tip range: 0.017-0.019 Total out put pressure at spray tip not less than 141 bar.
Air spray	Nozzle orifice:1.8-2.0 mm Nozzle pressure:2-4 bar
Brush	20-30μ (touch up)
Roller	20-30μ (touch up)

## Application Procedure

- 1: Flush all equipment with recommended cleaner before use.
  - 2: Stir the product thoroughly with power mixer.
  - 3: For air spray, thin with no more than 10% of recommended thinner for workability for airless -spray 5-10% of thinner is normally sufficient.
  - 4: Apply a wet coat by parallel passes overlap each pass 50% to avoid bare areas.
  - 5: Double coat all welds, rough spots, sharp edges, rivets, bolts, etc.to ensure proper thickness.
  - 6: If the interval recoating of this coating is exceeded, roughening of the surface is necessary to ensure inter coat adhesion.
- Note: Before recoating after exposure in contaminated environment, clean the surface thoroughly by (high pressure) fresh water hosing and allow to dry.
- 7: Clean all equipment with recommend cleaner immediately after use.

## Safety

This product is flammable keep away from heat and open flame operator (accordance MSDS of this product) must use special mask and safety gloves and operation should be performed in environments which is equipped with suitable air conditions.

## Storage Conditions

Store in closed container and away from direct sunlight at temperature of 5-35 °C.

