



## Product Description

MIO Alkyd Phenolic Intermediate Coat is an one component alkyd Phenolic paint containing micaceous iron oxide anti-corrosive pigment with good resistance to abrasion (Barrier mechanism) also adhesion and hardness properties are more than other types of alkyd coatings.

## Recommended Use

This coating (in alkyd system) is used for interior and exterior structures in semi- industrial environments above water .Also it is not designed for application over epoxies or polyurethanes and should not be applied over zinc based primers because of adhesion loss.

## Surface Preparation

- 1: All surface to be coated should be clean, dry and free from contamination prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504: 1992.
- 2: To follow of interval coating of primer, areas of breakdown, damage etc. should be prepared to the specified standard (e.g. Sa2 1/2(ISO 8501-1:1998) or SSPC-SP6) and patch primed prior to the application of Mio Alkyd Phenolic Intermediate Coat.

## Product Description

Shade:	Gray
Glossy:	Matt
Percentage of Vehicle:	49%-52%
Percentage of Volume solids :	50%-55%
Percentage of Pigment & extender :	47%-50%
Dry film thickness:	50μ
Wet film thickness:	100-110μ
Specific gravity :	1.5-1.6Kg/Lit
Viscosity:	100-110 k
Shelf life:	12 month
Theoretical Coverage:	5-6 m <sup>2</sup> /kg
Thinner :	Alkyd Thinner Rangin Zereh Sepahan
Salt spray chamber test:	100 -200 h(ASTM B-117)
Humidistatic chamber test	100 -200 h(ASTM D-2247)
Heat Resistance:	Max 100°C

Temperature	Touch dry	Full cure	Interval coating
15°C	3-4hours	Minimum 7 days	10hours
25°C	1-2hours	7 days	8-6 hours
40°C	1hours	5-7 days	4-6hours





## 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: 0.019-0.021 Total out put pressure at spray tip not less than 141 bar.
Air spray	Nozzle orifice:1.8-2.2 mm Nozzle pressure:3-5 bar
Brush	20-25μ (touch up)
Roller	20-25μ (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 5-10% of recommend thinner for workability for airless spray 5% of thinner is normally sufficient.
  - 4: Apply 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 minimum 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.

