



## Product Description

Semi Gloss Alkyd Topcoat (311) is an one component alkyd paint with good resistance to abrasion agent also adhesion and hardness properties are more than other types of alkyd.

## 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 prior paint, 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 prior paint to the application of Alkyd Phenolic Top Coat.

## Product Description

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Shade :                           | RAL colors                         |
| Percentage of Pigment & extender: | 40%-43%                            |
| Percentage of Volume solids :     | 40%-45%                            |
| Dry film thickness:               | 40-50 μ                            |
| Wet film thickness:               | 80-120 μ                           |
| Theoretical spreading rate:       | 4.5-5 m <sup>2</sup> /kg           |
| Thinner:                          | Alkyd Thinner Rangin Zereh Sepahan |
| Shelf life:                       | 12 months                          |
| Specific gravity :                | 1.2±0.03 Kg/Lit                    |
| Viscosity:                        | 95-105 k                           |
| Salt spray chamber test:          | 100 h ( ASTM B-117)                |
| Humidistatic chamber test:        | 100 h (ASTM D-2247)                |

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

## 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: 0.021-0.019<br>Total out put pressure at spray tip not less than 141 bar. |
| Air spray     | Nozzle orifice:1.8-2.2 mm<br>Nozzle pressure:5-3 bar                                 |
| Brush         | 20-25μ (touch up)  |
| Roller        | 20-25μ (touch up)  |





## Application Procedure

- 1: Flush all equipment with recommended cleaner before use.
- 2: For air spray ,thin with no more than 5-7% of recommend thinner for workability for airless -spray 5% of thinner is normally sufficient.
- 3: Apply wet coat by parallel passes overlap each pass 50% to avoid bare areas.
- 4: Double coat all welds, rough spots, sharp edges, rivets, bolts, etc.to ensure proper thickness.
- 5: If the recoating time of this coating is exceeded and greater thickness of this coating is required, the surface must be smoothly wire brushed.
- 6: 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.

