



Product Description

It is a two component aliphatic isocyanate cured polyurethane topcoat. This coating has excellent color retention, non-yellowing and non-chalking properties, high gloss topcoat, flexibility, excellent resistance to impact, abrasion, violet exposure and dust. complications with SSPC paint level],IPS-M-TP-235

Recommended Use

This coating (in the cycle) is used for protection industrial structures ,machinery and exterior of storages in atmospheric environment pay attention .This coating has excellent resistance expose oil excrete , animal and plant oils ,environmental conditions ,chemical ,acids, alkali and natural.

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 ISO8504:1992.

2: To follow of interval coating prior coat, areas of breakdown, damage etc .should be prepared to the specified standard (e.g. .Sa 2 1/2 (ISO 8501-1:1998) or SSPC-SP6) and patch prior coat to the application of Semi Glass Polyurethane Topcoat (RPF 500)

Product Description

Shade:	RAL colors
Percentage of Vehicle:	60%-65%
Percentage of Pigment & extender	35%-40%
Percentage of Volume solids:	50%-55%
Wet film thickness:	85-95 μ
Dry film thickness:	50μ
Theoretical Coverage:	5-6 m ² /kg
Mixing ratio by weight: B/A	25:4
Specific gravity :	1.3-1.4 Kg/Lit
Viscosity:	95-105 k
Salt spray chamber test:	250h(ASTM B-117)
Humidistatic chamber test:	250h(ASTM D -2247)
Curing mechanical :	Solvent vaporization and reaction between two components
Thinner :	Polyurethane Thinner Rangin Zereh Sepahan
Shelf life:	12 month
Flash point:	26°C

Temperature	Touch dry	Full cure	Recoating	Pot life
15°C	3-4hours	Minimum7 days	14-16hours	6 hours
25°C	1-2hours	7 days	4 hours	4-5 hours
40°C	30 Minutes to1hours	5-7 days	2-3hours	3 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: 0.015-0.021 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	15-25μ (touch up)
Roller	15-20μ (Whit out thinner touch up)

Application Procedure

- 1: Flush all equipment with recommended cleaner before use.
- 2: Stir part A with a power mixer.
- 3: Add curing agent (part B) to part A, and continue stirring for 5 minutes.
Note: since the pot life is limited and shortened by high temperatures, do not mix more material than will be use.
- 4: For air spray, thin with no more than 5% of recommended thinner for workability for airless spray 3-5% of thinner is normally sufficient.
- 5: Apply wet coat by parallel passes overlap each pass 50% to avoid bare areas.
- 6: Double coat all welds, rough spots, sharp edges, rivets, bolts, etc. to ensure proper thickness.
- 7: If the minimum recoating of this coating is exceeded, and greater thickness of this coating is required, the surface must be smoothly wire brushed.
- 8: 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.

