RANGIN ALVAN
ZEREH SEPAHAN
MANUFACTURE OF INDUSTRIAL AND CONSTRUCTION PAINTS

Product Description

Top Coat Epoxy Phenolic is a two component which has excellent resistance to oils, acids, alkalis, alcohols, solvents and excellent resistance against splash and fumes corrosion chemical agents. Also this coating protects surface expose continuous thermal to 160º C and non-continuous thermal to 180º C.

Recommended Use

This coating is used for protection internals of steel storage tanks containing a range of chemical products.

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 ISO85:1992.
2: To follow of interval coating of prior coated, 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 coated to the application of Top Coat Epoxy Phenolic.

Product Description

Shade:	RAL colors
Percentage of Volume solid:	70%-75%
Dry film thickness:	50µ
Theoretical Coverage:	8-11 m^2/kg
Mixing ratio by weight: B/A	25:5
Specific gravity :	1.5-1.7 Kg/Lit
Viscosity:	110-120 k
Salt spray chamber test:	300h(ASTM B-117)
Humidistatic chamber test:	300h(ASTM D -2247)
Recoating interval time:	1-7 days
Curing mechanical :	Solvent vaporization and reaction between two components
Thinner :	High-Build Epoxy Thinner Rangin Zereh Sepahan
Shelf life:	A= 12 month , B= 12 month
Flash point:	26ºC

Dry times are dependent on applied film thickness, all data in this catalogue are reported at recommend D.F.T in laboratory conditions.

Temperature	Touch dry	Full cure	Recoating	Pot life
15ºC	8-10 hrs	Minimum 9 days	24 hours	5 hours
25ºC	5-6 hrs	6-8 days	18 hours	3 hours
40ºC	3-4 hrs	6 days	14-16 hours	2 hours

Environmental Conditions

To prevent moisture condensation during application surface temperature must be at least 3 ºC above the dew point. In hot climate , material temperature should be 20 to 25ºC.For satisfactory cure air and surface temperature must be above 10ºC.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: 0.017-0.015 inch Total out put pressure at spray tip not less than 141 bar.
Air spray	Nozzle orifice:1.8-2.0 mm Nozzle pressure: 3-5 bar
Brush	40-50 µ (touch up)
Roller	40-50 µ (touch up)

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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 5-7% of recommended thinner for workability for airless spray 5% of thinner is normally sufficient.
5: Stir during application to maintain uniformity of materials 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 ºC.

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