RANGIN ALVAN ZEREH SEPAHAN

MANUFACTURE OF INDUSTRIAL AND CONSTRUCTION PAINTS

Epoxy Phenolic Primer

Product Description

Epoxy Phenolic Primer is two component which has excellent resistance to oils, acids, alkalis, alcohols, solvent and suitable for immersion in warm water and corrosion environment also this coating with top coat Epoxy Phenolic protects surface expose continuous thermal to 160 ºC and non-continuous thermal to 200 ºC.

Recommended Use

This coating is used for protection steel structures which expose moderately to severely environment

Surface Preparation

1: All surface to be coated clean ,dry and free from contamination prior to paint application ,all surfaces should be assessed and treated in accordance with ISO8504:1992 ,where necessary ,remove weld spatter and where required smooth weld seams and sharp edges. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.
2: Abrasive blast clean to Sa 2 1/2 (ISO 8501:1998) or SSPC-SP6 if oxidation has occurred between blasting and application of this coating, the surface should be re blasted to the specified visual standard.
3: Angular surface profile of 40-60 µ is recommended.

Product Description

Shade:	RAL Colors
Volume Solid:	70%±2%
Weight Solid:	80%±2%
Wet film thickness:	110-145 µ
Dry film thickness:	80-100µ
Theoretical Coverage:	6-9 m^2/kg
Mixing ratio by weight: B/A	28.5:1.5
Specific gravity :	1.4-1.7 Kg/Lit
Viscosity:	110-115 k
Salt spray chamber test:	500h(ASTM B-117)
Humidistatic chamber test:	500h(ASTM D -2247)
Curing mechanical :	Solvent vaporization and reaction between two components
Thinner :	Epoxy Thinner Rangin Zereh Sepahan
Shelf life:	12 month
Flash point:	26ºC

Temperature	Touch dry	Full cure	Interval coating	Pot life
15ºC	6hours	14 days	24hours	90Minutes
25ºC	3-4hours	7 days	17 hours	50Minutes
40ºC	2hours	4 days	12hours	20Minutes

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.

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Application Details

Airless spray	Tip range: 0.017-0.021inch 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	40-50µ (touch up)
Roller	40-50µ (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 5-10% of recommended thinner for workability for airless spray 5% 0f 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 interval coating of this coating is exceeded roughening of the surface in necessary to ensure inter coat adhesion. (If the adhesion is reduced, one layer of sealer epoxy or mist coat of after layer is recommended.)
Note: Before recoating after exposure in contaminated environment, clean the surface thoroughly by (high pressure) fresh water hosing and allow to dry.
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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