RANGIN ALVAN ZEREH SEPAHAN

MANUFACTURE OF INDUSTRIAL AND CONSTRUCTION PAINTS

RZS-5231 | Polyamine Cured Finish Epoxy Coating

Product Description

Polyamine Cured Finish Epoxy Coating is a two component polyamine cured finish Epoxy Coating which has high performance , high chemical and corrosion resistance exposed to sever weathering or salt spray .

Recommended Use

This coating (suitable epoxy system) is used for protection steel structures, machinery, interior and exterior of tanks and pipes exposed to marine and industrial environments.

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 of primer, 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 Polyamine Cured Finish Epoxy Coating REP 303.

Product Description

Shade:	RAL colors
Percentage of Vehicle:	40%-45%
Percentage of Pigment & extender :	55%-60%
Dry film thickness:	100μ
Theoretical Coverage:	4-5 m^2/kg
Mixing ratio by weight: B/A	27:3
Specific gravity :	1.5-1.7 Kg/Lit
Viscosity:	110-120 k
Salt spray chamber test:	250h(ASTM B-117)
Humidistatic chamber test:	250h(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:	25ºC

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	Interval coating	Pot life
15ºC	4-6 hours	Minimum 7 days	24-36 hours	8-12 hrs
25ºC	4-3 hours	7 days	16-24 hours	8 hrs
40ºC	3-2 hours	5 days	16 hours	6 hrs

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: 0.017-0.021 inch Total out put pressure at spray tip not less than 150 bar.
Air spray	Nozzle orifice:1.8-2.0 mm Nozzle pressure:3-5 bar
Brush	35-45µ (touch up)
Roller	35-45µ (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 5-7% of recommend 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, roughening of the surface is 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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