RANGIN ALVAN ZEREH SEPAHAN

MANUFACTURE OF INDUSTRIAL AND CONSTRUCTION PAINTS

RZS-5229| Polyamide Cured Coal Tar Intermediate Epoxy Coating

Product Description

Polyamide Cured Coal Tar Epoxy is a high solid two component polyamide cured epoxy coating with modified tar. It is suitable for use in cold and hot climates and excellent rust preventing, chemical resistance against hydrochloric acid, sodium hydroxide, salt water and sour crude. The composition and requirements are based on IPS-MTP-190.

Recommended Use

For protection of steel in marine structures ,pilling ,crude oil tanks ,ships bottom ,pipe coating ,power plants, petrochemical &oil refining plants. It can be used as a waterproof coating for concrete surfaces in waste water facilities. It can be used as protective coating for exterior ,interior of underground crude oil and brine pipeline.

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.whrere necessary , remove weld spatter , and where required smooth weld seams and sharp .oil or greases should be removed in accordance with SSPC-SP10 solvent cleaning .
2: For immersion service, Polyamide Cured Coal Tar Intermediate Epoxy must be applied to surfaces blast cleaned to a minimum Sa 2 1/2 (ISO 8501-1:1988) or SSPC-SP10, however, for atmospheric exposure Polyamide Cured Coal Tar Intermediate Epoxy may be applied to surfaces prepared to a minimum of Sa 21/2 or SSPC-SP6 and if oxidation has occurred between blasting and application of this coating, the surface should be re blasted to the specified visual standard.
3: If this coating is applied in one layer, for increase adhesion 40-60% minimum D.F.T of this coating for angular surface profile is recommended.

Product Description

shad	Black ,Brown
Finish:	Semi Flat
Percentage of pigment & Tar :	55%-60%
Percentage of Volume solids:	75%-80%
Thermal Resistance	Up to 80℃
Wet film thickness:	100-400µ
Theoretical Coverage:	5-1.7 m2/kg
Mixing ratio by weight: B/A	25:5
Specific gravity :	1.3-1.4 Kg/Lit
Viscosity	110-120 k
Salt spray chamber test:	450h(ASTM B-117)
Humidistatic chamber test:	450h (ASTM D -2247)
Curing mechanical :	1-7 days

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	7 hours	14 days	24-36hours	10 hours
25ºC	4 hours	8days	24 hours	8 hours
40ºC	2hours	4 days	16hours	6 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.

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Application Details

Airless spray	Tip range: 0.018-0.025 inch
Air spray	Total out put pressure at spray tip not less than 141 bar. Nozzle orifice:1.8-2.2 mm Nozzle pressure:3-5bar
Brush Roller	90-95µ (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% 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 time of coal tar epoxy 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 coal tar epoxy 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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