



Product Description

Epoxy Phenolic Coating RZS-5331 is a two component polyamine cured, epoxy phenolic top coat .

Recommended Use

As a protective coating in industrial and marine structures over concrete or metal surfaces .Resistance to a variety of chemicals ,fuel oil& solvents. For use as part of 3 coat (rzs 5311/RZS3341/RZS5331 d.f.t =50 Mic.)System for internal coating of storage tanks and vessels ,containing water or crude oil at temperature up to 100°C.:

Outstanding Characteristics

- Excellent oil resistance
- Excellent chemical resistance against weak acids ,alkalis and solvent
- good Adhesion to galvanized and stainless steel surface s.
- suitable for immersion in warm water
- Corrosion resistance in moderately to severely environment .
- Excellent abrasion resistance good mechanical strength.
- good compatibility with cathodic protection

Surface Preparation

The surface must be clean and dry All dirt , grease ,mill scales and any other foreign materials should be removed .old primed surface s must be smoothly wire brushed .

Product Description

Finish:	Gloss -Semi-gloss
Thermal Resistance:	Continuously 180°C Short time : 220°C Immersion :100°C
Color:	White ,grey
Volume solid:	62±2%
Specific Gravity :	1. 4±0.05gr/cm3
Recommended DFT	100-150µ
Theoretical Coverage:	2-6 m2/kg
Touch dry :	4 hrs at 25°C
Fully cured ::	7days at 25°C
Shelf life :	6months at 25°C

Environmental Conditions

Surface temperature must be at least 3°C above dew point relative humidity during application should be less than 80%.Do not apply coatings under reverse environmental conditions . Each coat shall be air dried a minimum of 16 hours at 25 ° prior to recoating .Longer recoat times will be required at lower temperatures .normal recoat time is within 16 hours. Longer recoat times may require special surface preparation .theses coating shall not be applied at temperatures below 10°C.





Application Details

Application method	Air/ airless spray ,Roller ,Brush
Mixing Ratio:	4 to 1 by weight
Nozzle orifice :	0.017-0.023
Nozzle pressure:	200-275 bar
Ambient Temperature:	10-45°C
Pot life :	90minutes25°C
Ambient Temperature	10-45°C
Recoat Interval :	Min:12hr at 25°C Max:3days at 25°C

Application Procedure

- 1.Flush all equipment with recommended cleaner before use.
 - 2.Stir pigmented resin (in the larger container) to an even consistency with a power mixer .
 - 3.add cure to pigmented resin 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 used in 90 minutes at 25°C
4. For conventional spray thin with no more than 10-15% of recommended thinner for workability for airless spray 5-10% of thinner is normally sufficient . .
 - 5.stir during application to maintain uniformity of material apply a wet coat by parallel passes .overlap each pass 50% t0 avoid bare areas pinholes or holidays
 - 6.Double coat all welds ,rough spots ,sharp edges ,rivets, bolts ,etc.to ensure proper thickness.
 7. Check thickness gauge. Recoat if greater thickness is required .
- Note :if the maximum recoating interval is exceeded ,roughening of the surface is necessary to ensure inter coat adhesion.
- 8.Rundom pinholes ,holidays and small damaged or bare areas can be touched up by brush when the film is dry to touch larger areas should be sprayed .
 - 9.inconfined areas ventilate whit clean air during application and drying until all solvents are removed .
 - 10.Clean all equipment with recommended cleaner immediately use.

Safety

This product is flammable. Keep away from heat and open flame. Keep container closed. Avoid prolonged and repeated contact with skin. Since improper use and handling can be hazardous to health and cause fire or explosion, safety precautions included with application instructions must be observed during all storage, handling, and use and drying periods. If used in confined areas:

- circulate adequate fresh air continuously during application and drying.
- Use fresh air masks and explosion proof equipment
- Prohibit all flames, sparks, welding and smoking
- Take precautionary measures against static discharges Keep away from food products.

Storage Conditions

Store in cool dry conditions ,away from sources of heat and naked flames ,in the original ,unopened packs. if stored at high temperature ,the shelf life may be reduced.

Disclaimers

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience .However we reserve the right to change the given data without notice. Any recommendation relating to the use of the products ,is based on data be lived to be reliable .it is buyer to satisfy itself of the suitability of the product for its own particular use .As the product is often used under conditions. Beyond our control ,we cannot guarantee anything but the quality of the product itself.

