



Product Description

RZS-5345 is a two component high chemical and high temperature resistance epoxy phenoliccoating.it is designed for use on tanks .pipes .steel structures ,Offshore platform and subsea structures.it is hard ,impact and abrasion resistant with excellent temperature resistance and cathodic disbondment resistance.

Recommended Use

rzs-5341 is used as a self –primed ,high build coating primarily for protection of exterior of steel and stainless steel pipes ,tanks and structures in severely corrosive environment .it is designed for single coat application on concrete ,and steel structure surfaces .it may be applied above and below waterline in both salt and fresh water environments.

Outstanding Characteristics

- Excellent chemical and solvent resistance .
- Dry heat resistance up to 160°C .
- Tough and hard film with very good adhesion .
- suitable for immersion in warm water
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- Extremely mechanical impact and abrasion resistance .
- Easily applied by simple airless spray

Surface Preparation

Remove oil and grease ,etc .with suitable detergent .Remove salt and other contaminants by (high pressure) fresh water cleaning .abrasive blasting to Sa21/2 SSpC-10 with a sharp –edged surface Profile corresponding torugo test No.3 BN9a ,keane Tator comparator 2.0 G/S or iso Comparator medium (G)For repair and maintenance of non – immersion areas ,remove oil and grease salt and other contaminants Clean damaged areas by power tool cleaning to minimum ST3 or Sa2 by abrasive blasting .

Product Description

Finish:	-Semi-gloss
Thermal Resistance:	Continuously 180°C Short time : 220°C
Color:	White ,grey
Volume solid:	90±2%
Specific Gravity :	1. 6±0.05gr/cm3
Recommended DFT	300-600μ
Theoretical Coverage:	3-53-1.5 m2/kg
Touch dry :	3 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. these coating shall not be applied at temperatures below 10°C.

Application Details

Application method	airless spray ,Brush
Mixing Ratio:	7 to 1 by weight
Nozzle orifice :	0. 023 -0.029
Nozzle pressure:	200-275 bar
Ambient Temperature:	10-45°C
Pot life :	50minutes25 °C 7minutes at 50°C
Ambient Temperature	10-45°C
Recoat Interval :	Min:12hr at 25°C Max:2days 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% to 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

The products must be stored in accordance with national regulation .the product should be kept in a cool and well ventilated place protected from heat and direct sun light Containers must be kept tightly closed .Handle with care .stir well before use





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 believed to be reliable. It is the buyer's responsibility 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.

