



## Product Description

RZS-5252 is a two component solvent free high build epoxy lining used to provide corrosion protection for the interval of steel pipes.

## Recommended Use

it is designed for high build single coat application by either plural feed hot spray equipment ,brush or roller .it is a hygienic epoxy coating conforms to BS6920 and AWWA C210for potable water..

## Outstanding Characteristics

- Excellent mechanical strength
- High Gloss , Easily cleaned .
- High water and oil resistance
- High chemical Resistance against weak acids and alkalis .
- Applicable in high film thickness self priming properties .
- Heated plural component application

## Surface Preparation

Remove oil and grease ,etc with suitable detergent .remove salt and other contaminants by high pressure fresh water cleaning .Abrasive blasting to Sa 21/2 ,SSPC -10 with a sharp edged surface profile corresponding to Rug test No.3 ,BN9a ,keane –Tator comparator ,2.0 G/S or ISO comparator ,medium (G).

## Product Description

Finish:	Gloss
Color:	RAL color
Volume solid:	100±2%
Specific Gravity :	1. 45±0.05gr/cm3
Recommended DFT	300-500μ
Theoretical Coverage:	2-3 m2/kg
Touch dry :	6 hrs at 25°C
Fully cured ::	7days at 25°C
Shelf life :	12months 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	Airless spray /Roller /Brush
Mixing Ratio:	5 to 1 by weight
Nozzle orifice :	0.021 -0.031
Nozzle pressure:	200-275 bar
Ambient Temperature:	10-45°C
Pot life :	90minutes25°C
Ambient Temperature	10-45°C

## Application Procedure

- 1.Ensure feed tanks and drums remain thoroughly mixed low speed to ensure homogenization.
- 2.adding thinner or diluents is under any circumstances strictly forbidden.
- 3.Both the component (A)and hardner (B) should be heated so that the temperature at the tip is bet ween 40C Stir during application to maintain uniformity of material.
- 4.Stir during application to maintain uniformity of material .
- 5.Plural component heated Airless Spray :  
Pump ratio :65:1 or any other similar at  
- 3500 -4000 psi  
-2:1 transfer pump  
-40-70C at gun using in-line heaters  
-Nozzle orifice :0.021-0.031 inch
- 6.Brush or roller : (if needed only for touch up .(Be aware the gel time is typically 10-20 minutes)
- 7.Clean all equipment with recommended cleaner immediately after use.

## Safety

This product is flammable keep away from heat and open 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 precaution included with application instructions must be observed during all storage ,handling ,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.

