



## Product Description

RZS-5251-1 is a two component solvent free poly amine cured ,hygienic epoxy coating confirmed with AWWA C210 and BS 6920 for interior of potable water tanks and pipes . .

## Recommended Use

it is designed for ductile iron pipes ,valves ,fixtures ,fitting for the water industry it is used for internal of storage tanks for drinking water or edible oils. It can be used as hygienic coating for machines walls and floor Of food and drug processing factories laboratories hospitals.

## Outstanding Characteristics

- Outstanding leveling and flow out properties.
- Resists fumes and splashes of mineral acids , alkalis and some solvent.
- High chemical resistance against weak acids and alkalis.
- High water and oil resistance .
- Applicable in high film thickness
- self Priming properties
- Certified By Amir Kabir university accordance to AWWA C210and BS 6920 requirements

## 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). surface imperfections shall be removed.

## Product Description

Finish:	High gloss
Color:	RAL color
Volume solid:	97±2%
Specific Gravity :	1. 3±0.05gr/cm3
Recommended DFT	300-400µ
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 :	0.029 -0.023
Nozzle pressure:	200-275 bar
Ambient Temperature:	5-45°C
Pot life :	90minutes25°C
Ambient Temperature	10-45°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.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
  - 5.Double coat all welds ,rough spots ,sharp edges ,rivets, bolts ,etc.to ensure proper thickness.
  6. 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.
- 7.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 .
  - 8.inconfined areas ventailate whit clean air during application and drying until all solvents are removed .
  - 9.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 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 .

## 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.

