



Product Description

Solvent Free Modified Epoxy is a two component modified ,ultra high build ,solvent free epoxy coatings formulated for maximum corrosion protection of underground pipelines.

Recommended Use

It is designed to ensure an excellent anti corrosion protection on underground pipeline.it is use as direct to metal coating and also can be used for extra protection on top of FBP coatings.

Outstanding Characteristics

- Easy to apply and repair.
- It complies with EN 10289 requirements
- Superior adhesion to steel and FBE coatings.
- Good corrosion protection and superior resistance to cathodic disbandment ..

Surface Preparation

Remove oil and grease , etc. with suitable detergent .remove salt and other contaminants by (high pressure) fresh water cleaning .Abrasive blast clean to ISO 8501-1 grade near Sa 21/2 near white .Ensure the abrade surface is cleaned of abrading debris with the use of an air blast .The blast cleaned surface shall have a roughness between 50-100 microns as measured with iso 4287-1. After blast cleaning all surface shall be inspected .All silver laminations weld spatters and other surface imperfections shall be removed.

Product Description

Finish:	Semi-gloss
Color:	RAL color
Volume solid:	98-100%
Specific Gravity :	1.63±0.05gr/cm3
Recommended DFT	800-1000μ
Theoretical Coverage:	0.8-1.2 m2/kg
Touch dry :	4-5 hrs at 25°C
Thermal Resistance:	Up to 120°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%.Donot 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.





**RANGIN ALVAN
ZEREH SEPAHAN**

MANUFACTURE OF INDUSTRIAL AND CONSTRUCTION PAINTS

**RZS-5651| Solvent Free Modified Epoxy
(Stand Alone Coating of Pipeline Rehabilitation)**

Application Details

Application method	Dual airless spray ,Roller ,Brush
Mixing Ratio:	3 to 1 by volume
Nozzle orifice :	0.025-0.032
Nozzle pressure:	200-275 bar
Ambient Temperature:	5-45°C
Pot life :	30minutes25°C 7minutes at 50°C
Recoat Interval :	Min:6hr at 25°C Max:48hr at 25°C

Application Procedure

- 1.Ensure Feed tanks and drum remain thoroughly mixed at low speed to ensure homogenization .
- 2.Adding thinner or diluents is under any circumstances strictly forbidden .
- 3.Both the component (A) and hardener (B) can be heated so that the temperature at the tip is between 40C and 70C , depend ant on the kinds of equipment .
4. Stir during application to maintain uniformity of material .
- 5.PLURAL COMPONENT HEATED AIRLESS SP RAY:
 - Pump ratio: 65:1 or any other similar ,at 3500-4000psi
 - 3:1 transfer pump
 - 40-70°C at gun using in –line heaters.
 - Nozzle orifice: 0.025-0.032 inch.
- 6.Brush or roller -if needed only for touch up (be aware the gel time is typically 10-20 minutes).
- 7.Single Airless spray :pump:65:1 and greater Material Hose: ½ inch I.D – Out put Pressure :3000-3400psi – Nozzle orifice :0.025-0.032 inch
- 8: Clean all equipment with recommended cleaner immediately after 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 . 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.

ADDRESS: ISFAHAN, NAJAFABAD 2 INDUSTRIAL TOWN, KARGAR SQUARE, RAZI ST., SUB-16, NO. 9

TEL: 09131250751 | 09133044014 **WEBSITE:** WWW.RANGINALVANZEREH.COM **EMAIL:** INFO@RANGINALVANZEREH.COM

