



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 compatible with FBE coatings and it can be used as protective coatings for weld joints.

Outstanding Characteristics

- Easy to apply and repair.
- It complies with ISO 21809-3 requirements
- Superior adhesion to steel and FBE coatings.
- Good corrosion protection and superior resistance to cathodic disband .
- Compatible with FBE ,polyolefin and polyurethane coated pipes.

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-10with 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	Semi gloss
Color	Rall color
Volume Solids	: 98-100%
Specific Gravity	1.63±0.05gr/cm3
Recommended DFT	500-1000μ
Theoretical Coverage	: 0.6-1.2 m2/kg
Touch dry	4-5 hrs at 25°C
Thermal Resistance	Up to 120 °C
Shelf life	12 months 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	Dual airless spray ,Roller ,Brush
Nozzle orifice	: 0.025-0.031
Nozzle pressure	200-275 bar
Ambient temperature	5-45°C
Mixing ratio Base / Hardener	: 5 to 1 by volume 30minutes25°C
Pot life	7minutes at 50°C
Recoat Interval Min	Max: 48hr at 25°C Min: 6hr 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 , dependent 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
 - 40-70C at gun using in –line heaters .
 - Nozzle orifice : 0.025-0.031 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 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 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.

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.

