

PRODUCT DATA SHEET

RAYCOAT EP INTERCOAT 144 Liquid Epoxy

Description

It is solvent free, two pack, epoxy coatings specially formulated for the coating applications in contact with potable water. Epoxy coating system consist of two components which, when blended and applied as a film, react chemically to form a protective film of high integrity, excellent adhesion, corrosion resistant, tough and high impact resistance. The product is designed to be spray applied using plural feed airless spray equipment or by brush. It Complies with BS 6920:2000,WARS and AWWAC210standards.

Features & Benefits

- Suitable for potable water applications.
- No VOC and no isocyanates
- High performance epoxy coating used to protect concrete and steel
- Excellent Wetting properties to bare steel - Exceptional adhesion, cathodic disbondment and soil stress resistance on bare steel.
- Easytomix–savetime
- Excellent resistance to abrasion and mechanical damage.
- Same formula can behand or spray applied - Flexibility in difficult to coat field conditions
- Adjust able flowrates



Product Properties

Color	Red/Grey
Ratio	3:1ByVolume
Pot Life @ 25°C,100g material	15-30 min
TouchDry@2s°C	1-2 hour
Hard Dry @ 2s0C	5-6 hours
Full Cure @ 2s0C	7days
Dry to overcoat @ 25° C	Minimum 12 hours
FilmThickness	Maximum 4 days
Number of coats	400 - 500 micron (16-20 mil)
Adhesion to Steel (psi)	1800 ±200

Theoretical Coverage Rate	2.50Sq.M/Lit@400μDFT
Volume Solids	~ 100%
Specific Gravity (Mixed) @ 25° C	1.50±0.2
Dielectric Strength(V/mil)	>250
Application Temperature	10 to 60°C with RH<85%
Max Operating Temperature	60 °C
SurfacePreparation	Abrasive blast cleaned to near white as per ISO standard SA2 ½ SSPC-10, SSPC-SP5, NACE 2 and equivalent to give a nominal 40- 100 micron profile

Application Methodology

- Prepare the surface by mechanical grinding, short blasting to SA2½.
- Remove dust, flakes, oil, grease, or other loose foreign particles by sand blasting, iron brush or compressed air.
- Stir the Component A and Component B separately. If settling is observed in the Component A, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing. Pre heat part-A@50-60°CandPart-B@25-35°C
- After mixing, apply **RAYCOTE EP INTERCOAT 144** by plural feed airless spray gun to the required thickness on the substrate.
- The tip pressure typically 2500-4000 psi (the tip pressures should be adjusted to achieve good atomization of the spray).

Condition to Apply

- (a) Do not apply when relative humidity exceeds 75% or when the surface to be coated is less than 30 Deg C above the dew Point as recommended by NACE.
- (b) If the surface to be coated is below 10 Deg C, preheating of the substrate is recommended. Preheat temperature should not exceed 82 Deg C prior to the application.
- (c) For cleaning of the tools use SNI INDIA specified thinner.

Shelf Life

1 year in original un - opened condition from the manufacturing date.

Storage & Handling

For optimum performance, store SNI INDIA Inter coat 144 epoxy in a dry, well-ventilated area. Maintain products in original packaging and sealed until just before use. Avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental conditions or contaminations.
 Note - Avoid prolonged storage at temperature above 40 Deg C or below 5 Deg C.

Ordering information

	Drums	Pail
Part A	200L	15L
Part B	200L	5L

Kits Options

(1.3Gal/ 5L), (0.67Gal /2.5L)

(0.27Gal/1L), (0.13Gal/0.5L)

Option of customized kit can be supplied as per customer requirement.

Note

The typical values in this data sheet are based on lab prepared samples. For project specific requirements please consult with SNI INDIA

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