

REC EPO 00292

SOLVENT FREE EPOXY

DESCRIPTION

It is a two-component solvent free amine cured epoxy / Novolac phenolic coating.

PRIMARY APPLICATION

This product is designed for the internal protection of pipelines and tanks carrying a wide range of petrochemical products including aviation fuel, kerosene and crude oil mixtures. The product combines a high degree of corrosion protection with excellent chemical resistance. Its use as a pipe lining reduces pigging costs, improves initial product purity and offers significant long-term advantages in terms of pumping costs as well as long term corrosion protection.

FEATURES/BENEFITS

- Used as a direct-to-metal lining for pipes and tanks used to transport and store jet fuel, Av gas, and unleaded petrol (gasoline).
- Excellent adhesion to steel.
- Glossy and smooth appearance – easy to clean.
- Resistant to a wide range of petrochemicals, solvents and chemicals.
- Suitable for use up to 100°C in dry service conditions.
- Resistance to crude oil up to 70°C.
- Can be applied by Airless Spray equipment.
- Solvent free – eliminates explosion risk and fire hazard.

TECHNICAL INFORMATION

Color	Light Grey
Finish	Glossy
Density	1.4 kg/liter
Pot Life	60 minutes at 20°C
Volume Solids	100%
Mix Ratio (volume)	4: 1
Activator	Epoxy Activator or hardener
Typical Film Thickness	300-600 microns dry depending on system
Theoretical Coverage	3.33 m ² /liter at 300 microns dft, allow loss factors
Method of Application	Brush or Airless Spray.
Number of Coats	Two coats should be applied to achieve typical DFT and pinhole free Coating.
VOC	Nil
Full Curing Time	5 Days at 25°C
OVER COATING DATA	20 hours – 90 Days (at 25°C of substrate temperature)

Note:

Curing temperature below 10°C is not recommended, plus adequate ventilation should be maintained during application and curing. If overcoating times are exceeded, coating shall be sweep blasted prior to re-coating.

DIRECTIONS FOR USE

SURFACE PREPARATION

ABRASIVE BLAST CLEANING AND MECHANICAL PREPARATION

All surfaces to be coated must be dry, clean and free from contamination. This product must only be applied to surfaces prepared by abrasive blast cleaning to Sa 2½ in accordance with International Standard ISO 8501:2007 and SSPC-SP10. A sharp angular profile of 75-100 microns is recommended. **REC EPO 00292** must be applied before oxidation occurs. If oxidation does occur the entire oxidized area should be re-blasted to the standard specified above. Surface defects revealed by the blast cleaning process should be ground, filled and treated in the appropriate manner.

Where solvents are allowed, surfaces may be primed with appropriate **REC PRIMER** at 15-25 microns DFT before oxidation occurs.

For alternative suitable methods of surface preparation consult RECKON's Technical Representatives.

MIXING

Material is supplied in two containers as a kit. Always mix a complete kit in the quantities supplied. Once mixed the product should be used within the pot life specified. Stir the base component well with a mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous. Ensure that just sufficient material is mixed so that the product can be applied within its use-able life. The temperature of the mixed product should preferably be above 10°C. Higher temperatures result in reduced sag resistance and faster cure. No thinners should be added to this product.

Mixing Ratio by Volume:

Part A	Part B
1	4

APPLICATION TOOLS:

Brush is recommended for the application. Further Airless spray (tip pressure more than 150 bar) can be used.

EQUIPMENT CLEANING AND WORK STOPPAGE

Do not allow material to remain in the spray equipment after use. Thoroughly flush and clean all equipment with **REC CLEANER** immediately after application. Once the components have been mixed, the container must not be resealed or stored for later use. After any prolonged work stoppage, it is recommended that application be resumed using freshly mixed material.

PACKAGING

REC EPO 00292 is supplied as a complete Kit of both components.

STORAGE & SHELF LIFE

18 months minimum at 25°C. Subject to inspection thereafter. Store in dry conditions out of direct sunlight away from source of heat or ignition.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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RECKON CHEMICALS PRIVATE LIMITED
21 CCA, BLOCK B, KHAYABAN-E-AMIN, LAHORE
Tell: +92-42-35452620, +92-42-35230419
Web: www.reckonchemicals.com
Email: Info@reckonchemicals.com

