



Epilux Solvent Free Novalac Epoxy Coating

USES

It can be used on the interior of both steel and concrete tanks in refineries, fertilisers, chemical and other plants for storing various cargoes. The product is also approved for potable water storage.

SCOPE

A high performance solventless polyamine epoxy resin coating suitable for sustained immersion in Petroleum & Aromatic Hydrocarbon solvents even at elevated temperatures. It has very good chemical resistance and can withstand both potable and saline water.

PRODUCT DATA

Type : Novalac Epoxy Solvent Free Tank Liner

Composition : Novalac epoxy phenolic resin suitably pigmented cured with polyamine adduct

Volume Solids: 100%

Mixing ratio: 2:1 by volume (Addition of thinner is not necessary)

Application : Airless Spray, Plural Component (ideal), Brush/ Flat Trowel for small area.

Pot Life : 45-60 minutes @ 30°C

Recommended DFT : 200 - 350 microns per coat

Theoretical Spreading: 2.9 to 5.0 m²/per ltr

Drying Time : @30°C & 50% RH

TOUCH Within 2 hours

HARD 24 hrs

Curing time: 7 days at ambient conditions

Overcoating Interval :

Min: 16 hours

Max: 5 days

Colour : White & Grey

Thinner: Not Recommended

Packing : 30 Ltrs..

Cleaner : Clean all equipment with fresh

Thinner 844 immediately after use.

Storage Life : Upto 12 months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

RESISTANCE GUIDE

Chemical Resistance :

| EXPOSURES | IMMERSION |
|--|------------------|
| Weak Mineral Acids | Good |
| Mineral & Vegetable Oil | Good |
| Concentrated Solutions of common alkalis | Excellent |
| Aliphatic & Aromatic Hydrocarbons | Excellent |
| Salt Solution (Upto 100° C) | Excellent |
| Water | Excellent |
| Temperature Resistance : | |
| Immersion Service | - 40° C to 150°C |

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SURFACE PREPARATION

Steel: Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with SSPC SP1. Rinse surface thoroughly with clean water to remove acids or alkali contaminants. Abrasive blast to a minimum of SSPC SP10 to a surface profile of 50-75 microns. Remove all dust by brushing or vacuum cleaning.

Concrete: Remove all laitance, form release, grease and mould. Brush off blast with limonite or garnet. Remove all dust by vacuum cleaning. Fill any large exposed voids.

APPLICATION

Stir the contents of each can thoroughly with a broad flat stirrer using a stirring, lifting action or use a power mixer. Mix the contents of both packs together thoroughly using a power mixer for at least three minutes. Ensure the clean-up solvent is available before commencing application. Use mixed material immediately after mixing.

Brush/ Roller: Suitable for small areas only. When brushing and rolling, additional costs may be required to attain the specified thickness.

Airless Spray: Plural component Airless Units: Units capable of 2:1 volume metering and heating such as Binks, Graco

and other using 58:1 pump ratio with a fluid tip of 21-26 thou (0.53-0.66 mm). 3/4 Twist tip or adjustable tip (Titan) with an air supply of 690-830 kPa (100-120 p.s.i); line size of 12 mm ID.

TYPICAL PAINTING SPECIFICATIONS

| Surface | 1st coat | Subsequent Coats |
|------------------|---|---|
| Steel & Concrete | Epilux Solvent Free Phenolic Primer | Epilux Solvent Free Novalac Epoxy Coating |
| Steel & Concrete | Epilux Solvent Free Novalac Epoxy Coating | Epilux Solvent Free Novalac Epoxy Coating |

Precaution:

1. Apply the paint when the substrate temperature is 3°C more than the dew point temperature.
2. Freshly mixed material must not be added to that which has been mixed previously.
3. Do not apply in temperature below 10° C and relative humidity above 85%.
4. Concrete tanks will need to be emptied in advance of coating application.

Surface moisture should be less than 5%

5. After coating is cured, check for defects in the coating and repair as per manufacturers advice.
6. Clean all equipment with Epilux Thinner 844 immediately after use.

Handling: As with any chemical, ignition, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS 1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.

Ventilation: Use with good ventilation and avoid inhalation of spray mists and fumes. If there is risk of inhalation of spray mists, wear combined organic vapour/ particulate respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations

Flammability: Fight Fire with foam, CO2 dry chemical powder. On burning will emit toxic fumes.

Welding: Avoid inhalation of fumes and ensure to grind off coating before welding.

DISCLAIMER: The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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