EPILUX STL COATING Solventless Tank Liner

USES

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

SCOPE

A high performance Solventless coating suitable for sustained immersion in Petroleum & Aromatic Hydrocarbon solvents. Epilux STL possesses superb chemical resistance and can withstand both potable and saline water.

PRODUCT DATA

Type : Two Pack, cured with Amine Adduct

Composition : Catalysed epoxy resin suitably pigmented

Mixing Ratio : Base : Catalyst – 2 : 1 by volume

Pot Life : 30 minutes at ambient conditions

Application : Airless Spray. Brush and roller for small areas only.

Recommended DFT : 200–500 microns per coat
Av. DFT recommended – 350 microns per coat

Theoretical Spreading Rate : 2.8 Sq. Mtr./Ltr./coat at 350 microns average

Drying Time :

TOUCH	:	Within 4 hours
HANDLE	:	8 hours
HARD	:	Overnight

Curing Time : 7 days minimum

Overcoating Interval :

MIN	:	8 hours
MAX	:	48 hours

Colour : White & Grey (arbitrary)

Thinner : Do not thin

Cleaner : Clean all equipment with Epoxy Thinner 844 immediately after use.

Finish : Glossy

Packing : 30 Ltrs.

Storage Life : Upto nine 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
Concentrated Solutions of Common Alkalis	Excellent
Aliphatic & Aromatic Hydrocarbons	Excellent
Mineral & Vegetable Oil	Good
Salt Solution (Upto 50° C)	Excellent
Water	Excellent

Temperature Resistance :

Dry Heat	: 120° C
Water impermeability	: 50° C

Flexibility : Moderate

Abrasion Resistance : Very Good

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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 Swedish Standard SIS 05 5900. Rinse surface thoroughly with clean water to remove acids or alkali contaminants. Immersed steel must be prepared to better than SA 2 1/2 Swedish Standard 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 ilmenite 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 3 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 rollering, additional coats 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 others using a 45:1 or 58:1 pump ratio with a fluid tip of 21–26 thou (0.53–0.66 mm.) 3 1/4 Twist tip or adjustable tip (Titan) with an air supply of 690–830 kPa (100–120 p.s.i.) and a line size of 12 mm ID.

Pre-mix Airless Application : Standard airless spray equipment such as Graco, Binks or other using a 58:1 pump ratio with a fluid tip of 21–26 thou (0.53–0.66 mm.) or adjustable tip and an air supply of 690–830 kPa (100–120 p.s.i.) and a line size of 12 mm ID. Apply material immediately after mixing and clean equipment immediately after use.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel & Concrete	Epilux 13 HB Primer - 75 microns	Epilux STL - 200 microns	Epilux STL - 200 microns
	Epilux STL - 250 microns	Epilux STL - 250 microns	

Precaution :

1. Do not apply in conditions outside the parameters stated in this document without the written consent of Berger Paints India.

2. Freshly mixed material must not be added to that which has been mixed for sometime.

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. Allow release of the moisture level of maximum 12%.

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.

Storage	: Store in a bunded area under cover.
Handling	: As with any chemical, ingestion, 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.
Using	: 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, CO_2, dry chemical powder. On burning will emit toxic fumes.
Welding	: Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

Product design and data same as **"LUXEPOXY STL"** of **Orica Pty Ltd.**

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