

## PRODUCT SPECIFICATIONS

### Product Description

A two component, chemically resistant, solvent free amine-adduct cured epoxy coating.

### Design Feature

- An internal tank lining suitable for contact with a wide range of chemical cargoes, including potable water, food chemicals, edible oil etc. Approach your Berger Paints representative for cargo resistance suitability and advice.
- Certified to SS 375 and BS 6920 for use in contact with potable water.
- A non-toxic, environment-friendly solvent free coating.
- Excellent chemical resistance to a wide range of chemicals.
- Excellent hardness and high abrasion resistance.
- Suitable for application on both concrete and steel substrates.

### Physical Characteristics

Recommended Application Data	Wet [ $\mu\text{m}$ ]	Dry [ $\mu\text{m}$ ]	m <sup>2</sup> /l
Daya Sebar Teoritis	150	150	6.7

Volume Solids	:	100% (based on ASTM D2697)
Dry Film Thickness Range	:	125 $\mu\text{m}$ to 350 $\mu\text{m}$
Flash Point	:	>90 OC
Finish	:	Gloss
Colour Range	:	White, Light Buff
Standard Packing Size	:	20 L (15 L Base : 5 L Hardener)
Mix Ratio (by volume)	:	3 Base : 1 Hardener

### Application Method

AIRLESS SPRAY	:	Tip Size	:	0.53 – 0.58 mm (21 - 23 thou)
Recommended method of application.	:	Pressure	:	140 -165 kg/cm <sup>2</sup> (2000 – 2400 psi)

BRUSH OR ROLLER	:	May be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.
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**\* Important: Mix the two components of this product only when ready to apply. Once mixed, apply immediately. As this product has a very short potlife, delays in application may adversely affect wetting, adhesion and self-levelling properties and may jam up airless spray equipment.**

### Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Min.	Max.	
15 °C	6 hours	12 hours	16 hours	4 hari	1½ hours
25 °C	4 hours	8 hours	12 hours	2 hari	1 hour
35 °C	2 hours	6 hours	8 hours	1 hari	40 mins.

### Useful Information

THINNER	:	Not required
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	18 months when stored as prescribed in the MSDS.

## Surface Preparation

The service life span and the service performance of EPILUX 155SF is directly related to the degree of surface preparation.

### STEEL

- EPILUX 155SF should be applied to a surface that has been blast cleaned. It may be applied directly to blast cleaned steel or over a suitable primer, e.g. EPILUX 610.
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Abrasive blast clean to a minimum standard of Sa2½ (ISO 8501-1:1988) or SSPC-SP10. An average surface profile of 75 – 100 microns is required.
- Ensure that all surface defects detected after blast cleaning is ground, filled or treated in a suitable manner.
- After blasting, remove dust from the surface. Ensure that the surface to be coated is clean, dry and free from any contaminants.
- Apply Epilux 155SF immediately after blasting to prevent oxidation and recontamination of the steel surface. The use of a dehumidification system and/or the use of a suitable blast/holding primer such as Epilux 610, is recommended to prevent oxidation of the blasted steel surface. In case of oxidation/recontamination, re-blast to the required standard.

### CONCRETE

- New concrete should be left for at least 21 days to cure before coating.
- The moisture content of the concrete surface should be checked and ensured to be below 6% when measured with a reliable moisture meter, such as the Sovereign Moisture Meter.
- The surface should be dry, free from surface contaminants, sound and undamaged.
- Apply one coat of suitable concrete primer/sealer such as Luxafloor 1000.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3 °C above Dew Point.

## Suitable Undercoats

Epilux 610 (for Steel), Luxafloor 1000 (for concrete), Epimastic 3000HS

## Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Please consult your Berger Paint Representative for recommendations on suitability for the containment of specific cargo / cargoes.
- Common to all epoxies this product will experience chalking on prolonged exposure to sunlight. However, this phenomena is not detrimental to coating performance.
- Exposure to very low temperatures, high humidity or water ponding during and/or immediately after application may result in incomplete cure and/or discolouration that may compromise subsequent intercoat adhesion.

## Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- This product is flammable. Keep away from sources of ignition. Do not smoke.
- Take precautionary measures against static discharge.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

## First Aid

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

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