

PRODUCT SPECIFICATIONS

Product Description

A solvent based high build chemically resistant, amine-adduct cured performance epoxy coating.

Design Feature

- An internal tank lining suitable for use with a wide range of chemicals. Approach your Berger Paints representative for cargo resistance suitability and advice.
- As a non-toxic chemical resistant finish coat in the food and chemical industries.
- Suitable for use in contact with portable water.
- Recommended for use as an anti-corrosive build coat for structural steel in mild to aggressive environments.
- Suitable for application on concrete for chemical resistant floorings.
- Comply with the requirements of BS6920.
- Meets the requirement of SS375

Physical Characteristics

Recommended Application Data	Wet [μm]	Dry [μm]	m ² /l
Theoretical Coverage	223	125	4.48

Volume Solids	:	56% (based on ASTM D2697)
Dry Film Thickness Range	:	125 μm to 200 μm
Flash Point	:	30 OC
Finish	:	Low Sheen
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 : 110 - 160 kg/cm ² (1600 - 2300 psi)
CONVENTIONAL AIR SPRAY	:	May be used. May require additional dilution to achieve good atomisation.
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.

Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Min.	Max.	
15 °C	6 hours	24 hours	24 hours	10 days	12 hours
25 °C	4 hours	12 hours	16 hours	7 days	8 hours
35 °C	2 hours	8 hours	12 hours	5 days	4 hours

Useful Information

THINNER	:	SOLVALUX 7-45 or 7-33 (Maximum 5% addition)
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 155 is directly related to the degree of surface preparation.

EPILUX 155 is designed as an internal tank lining, please consult your Berger Paint Representative for detailed specification and work proceedings.

- EPILUX 155 should be applied to a surface that has been blast cleaned and suitably primed (e.g. with EPILUX 610 or EPILUX 66).
- The underlying system should be intact, sound and undamaged. The primer should be either 2 pack epoxies, polyurethane or zinc silicates.
- Ensure that the surface to be over-coated is clean, dry, free from dust, grease and oil, or any other surface contaminants.
- A fresh water wash must follow to remove all soluble salts.
- Always ensure that the maximum over-coating time for the primer / build coat is not been exceeded prior to application.

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, Epilux 66, 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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