

PRODUCT SPECIFICATIONS

Product Description

A two-component epoxy coating that is specially formulated to provide an attractive and durable finish.

Design Feature

- A durable finish coat for epoxy based coating systems.
- Tough, hard wearing finish with overall durability properties.
- High resistance to impact and abrasion.
- Excellent adhesion to aged epoxy coatings.
- EPI LUX 4 Clear can be used on cured concrete as a primer.
- Resistance to spillage or splashes of mild chemicals.
- Able to withstand dry heat of up to 80°C continuous and 120°C intermittent.

Physical Characteristics

Recommended Application Data		Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage		100	50	10.0
Volume Solids	:	50 % (based on ASTM D2697)		
Dry Film Thickness Range	:	50 µm to 75 µm		
Flash Point	:	30 °C		
Finish	:	Glossy, Semi-gloss & Matt		
Colour Range	:	Standard Range		
Standard Packing Size	:	5 L Set (3.75 L Base : 1.25 L Hardener)		
Mix Ratio (by volume)	:	3 Base : 1 Hardener		

Application Method

AIRLESS SPRAY	:	Tip Size	:	0.53 – 0.63 mm (21 – 25 thou)
Recommended method of application	:	Pressure	:	110 -160 kg/cm² (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	2 hours	12 hours	12 hours	10 days	6 hours
25 °C	1 hour	6 hours	6 hours	5 days	4 hours
35 °C	30 mins.	4 hours	4 hours	3 days	3 hours

Useful Information

THINNER	:	SOLVALUX 7-45 (Maximum 5% addition)
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	12 months minimum when stored as prescribed in the MSDS.

Surface Preparation

The service life span and the service performance of EPILUX 4 are directly related to the degree of surface preparation.

STEEL

- Epilux 4 should be applied over a suitable primer or build coat. For recoating, the underlying system should be intact, sound and undamaged.
- 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.

GALVANISED STEEL

- Abrade using wet-or-dry paper and degrease with SOLVALUX 7-45. Apply LUXAPRIME 1501. If the primer shows signs of breakdown, then a full sweep blast may be required prior to coating.
- Apply EPILUX 4 immediately after surface preparation to prevent recontamination.

CONCRETE (EPILUX 4 CLEAR)

- New concrete should be left for at least 28 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.

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 Primers

Epilux 68, Epilux 610, Epilux 78, Epilux 171, Epilux 800, Zincanode 685, Zincanode 668, Zincanode 300, Zincanode 330, Epimastic 3000HS, Epimastic 3100, Epimastic 5100, Luxaprim 1501, Luxaprim 1801

Suitable Overcoats

Epilux 4

Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications. Please refer to your Berger Paints representative.
- Common to all epoxies this product will experience yellowing and chalking on prolonged exposure to sunlight. However, this phenomenon 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.

R1-072025