

PRODUCT SPECIFICATIONS

Product Description

Berger Epifloor is a two-pack amine-adduct cured epoxy finish paint designed for use on masonry, steel and wooden flooring to provide good resistance against mild chemicals and oil.

Design Feature

- A rapid drying, durable coating for floor painting
- Good abrasion and impact resistance
- Excellent adhesion to aged epoxy coatings.
- It can also be used as a primer over cured concrete with certain dilution
- Resistance to spillage or splashes of mild chemicals.
- Able to withstand dry heat of up to 100°C continuous and 120°C intermittent.
- Non-skid version can be provided if there is a requirement

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 per coat		
Flash Point	:	30 °C		
Finish	:	Glossy		
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

IMPORTANT: The hardener component of this product must be mixed thoroughly with the base component and allowed to pre-react (induct) for a period of 15 minutes before proceeding to application. In absence of this product may have incomplete cure and/or discolouration.

AIRLESS SPRAY : Tip Size : 0.28 – 0.38 mm (11 – 15 thou)
 Recommended method of application for uniform finish. Pressure : 130 –160 kg/cm² (1800 – 2300 psi)

BRUSH OR ROLLER : Can be used for small touch up areas. However, additional coats may be required to achieve the recommended film thickness.

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	45 minutes	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 BERGER EPIFLOOR are directly related to the degree of surface preparation.

CONCRETE

- New concrete should be cured completely before application of coating. Ensure the surface to be coated is sound, dry and free from contaminants such as dirt, dust, oil and grease. On new concrete apply first coat with 20% dilution using Solvalux 7-45 as a primer. Apply two coats of finish with proper over-coating interval. Apply BERGER EPIFLOOR immediately after surface preparation to prevent recontamination.

STEEL

- Berger Epifloor 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. Wash surface using fresh water to remove soluble salts.
- Always ensure to follow the maximum over-coating time for the primer/build coat and it should not be exceeded prior to application.

ALUMINIUM, 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.

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

Epimastic 3000HS, Epimastic 3100, Epimastic 5100, Luxaprime 1501, Luxaprime 1801.

Suitable Finishes

Berger Epiflor

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.

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