



**FLOOR COATINGS**

**Epilux Floor Primer**

**Scope**

A two component Solvent free, non-fillerised epoxy based primer. It ensures excellent penetration and sealing of concrete. It acts as a bridge between the substrate and Epoxy screed and/or self leveling top coat

**Uses**

Application of Epilux Floor Primer is recommended for all industrial floors; clean rooms, parking bays, show rooms etc. where Epoxy self leveling Floor Coating systems are to be used over concrete surfaces

**Product data**

Type	Two Pack
Composition	Solvent less epoxy
Application	Brush or Roller
Recommended DFT	30- 40 microns per coat
Volume Solid	100%
Mixing Ratio	2:1 (w/w)
Pot Life	30 minutes @ 30 <sup>0</sup> C
Theoretical Spreading Rate	0.2 to 0.3 Kg/ m <sup>2</sup> [depends on surface porosity]
Drying Time	Surface dry: 6 hrs; Hard dry: 16 hrs; Full cure: 7 days
Overcoating Interval	minimum 24 hrs
Colour	Colourless
Thinner/Cleaner	Thinner 844 (for cleaning of tools; not for mixing with product)
Finish	Glossy & Clear
Packing	15 ltrs
Storage Life	Upto nine months as long as the sealed containers are kept in a cool dry place (10 <sup>0</sup> to 35 <sup>0</sup> C) and in original unopened containers.

## Epilux Floor Primer

### Substrate preparation

Concrete substrate must be fully cured, dry, sound and clean. It shall be free from other contaminants, such as curing compounds, sealers, oil, grease, dust, salts etc. The guideline standards for preparation of concrete is as per SSPC SP 13; Cleaning with required tools to free of contaminants, laitance, loosely adhering concrete, dust by mechanical, chemical and or thermal methods.

Weak concrete must be removed. All voids, dents are to be repaired. Cohesive strength/ pull-off strength of concrete should not be less than 1.5N/mm<sup>2</sup>. Compressive strength should be to minimum 25N/mm<sup>2</sup>. All cracks, dents and voids depending on the size and depth should be filled with epoxy putty or epoxy mortar after priming. Surface leveling may if required be done using Epilux Floor Screed for thickness from 3mm to 5mm.

### Application guidelines

Substrate temperature should be between 15<sup>0</sup>-35<sup>0</sup>C. Relative humidity during application should not be more than 80%. Substrate moisture content should be lower than 5%. The two packs consisting of base and hardner should be mixed in the ratio of 2:1 (w/w), by adding the contents of hardner to the base with a slow speed stirrer and obtain a homogeneous mix. No thinning has to be done for application of primer. Application is suggested by brush and to ensure primer is forced to all pores of concrete by hard brush application. For highly absorbant surface a second coat of primer may be required; consult Berger technical team.

### Precautions

All existing expansion joints, movement joints should be followed through the new floor surface. Joint sealant and geometry should be compatible with the applied floor type. Ensure substrate free of contaminants and solvents after surface preparation. As a general precaution forced ventillation should be provided when applying coating in confined spaces. Inhalation of solvent vapours, or coating mist and contact with skin or eyes should be avoided. Safety precautions as with any epoxy compounds should be adhered. Refer MSDS and health and safety guidelines.

### Painting Systems

Product	Coat	Thickness
Epilux Floor Primer	one	40 microns
Epilux SL Glossy Floor Coating	one	0.5 mm to 5mm as per specification

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#### DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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