

Technical Data Primers and Ancillaries

Luxaflor 1100

Solvent Based Epoxy Concrete Primer

Product Description

A high performance two pack Epoxy Primer specially designed to penetrate into, and seal the surface of concrete. Provides sound base for improved adhesion of subsequent Epoxy or Polyurethane based floor coatings.

Designed Use

As a high quality protective coating for concrete floors.

- Can be used for interior and exterior surfaces.

Physical Data

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| Volume Solids (Based on ASTM D2697) | : 45% + 2% |
| Typical Dry Film Thickness | : 50 microns |
| Wet Film Thickness | : 110 microns |
| Theoretical Coverage | : 9 m ² /litre @ 50 microns DFT |
| Colour | : White and Clear |
| Finish | : Low Sheen |

Application Details - Method Of Application

- **Airless Spray** : This is a possible method of application. Maximum 5% Thinner may be added.
Tip Size: 0.38 - 0.48 mm (0.015 - 0.019 in) Pressure: 110 - 160 kg/cm² (1600 - 2300 psi)
- **Conventional Spray** : This is also a possible method of application:
Tip Size: 1.8 mm - 2.2 mm (0.071 - 0.087 mm)
Pressure: 40 - 50 psi (2.75 - 3.4) Kg/Cm² Maximum 15% thinner may be added.
- **Brush or Roller** : This is the recommended method of application for exterior masonry surfaces.

| | Surface Temperature | Touch Dry | Hard Dry | Re coating Interval | | Pot Life |
|-------------|---------------------|-----------|----------|---------------------|------------|----------|
| | | | | Minimum | Maximum | |
| Drying time | 15°C | 8 hours | 16 hours | 16 hours | Indefinite | 10 hours |
| | 25°C | 6 hours | 12 hours | 12 hours | Indefinite | 8 hours |
| | 35°C | 4 hours | 10 hours | 10 hours | Indefinite | 4 hours |
| | 45°C | 3 hours | 8 hours | 8 hours | Indefinite | 2 hours |

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| No. of Components | Two |
| Mixing Ratio | As per pack size |
| Application Conditions | Do not apply this product if the relative humidity exceeds 95% or if the substrate temperature is within 3°C of the dew point |

Additional Information

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|---------------------------------|--|
| Thinner/Cleaning solvent | : Solvalux 7-45 |
| Storage Instruction | : Store in a cool shaded dry area |
| Flash Point | : Mixed 26°C |
| Packaging | : 5 litres and 20 litres |
| Shelf Life | : 24 months from the date of manufacture |

Surface Preparation

- The performance of the coating is directly proportional to the degree of surface preparation.
- Ensure the surface is clean, dry and free from all contaminants.
- New concrete surfaces must be cured at least 4 weeks before application of primer.
- The surface should be sound and free from any laitance.
- If any laitance found remove using wire brush or by sweep blast.
- For best performance on new concrete surfaces, acid etching may be used. The surface should be treated with 10 – 15% dilute hydrochloric acid. Keep overnight and clean surface thoroughly with sweet water. The washing must be continued till the acidity becomes neutral. Use PH paper to ascertain the level of acidity.
- Blowholes should be filled with Epilux concrete filler/stopper or any other suitable flooring compound before application.
- Apply one coat of Luxafloor 1100 uniformly taking care to avoid excess application.
- After thorough drying Luxafloor range of topcoats can be used for over coating.

Product Use Restrictions

- May also be applied between 50 and 75 Microns DFT.
- This is a primer and should be over coated without fail.

Safety Information And Precautions

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.
- 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.
- Refer to MSDS for further information.

First-Aid

- **Eyes** : In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- **Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner.

- Do not use solvent 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.

Disclaimer

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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