Technical Data Floor Coating

Luxaflor 4000

Solvent based Epoxy Floor Coating

Product Description

A two pack modified amine based epoxy coating with excellent resistance to abrasion and to fresh and salt water, non-oxidizing acids, alkalis, oils and many chemicals. It is suitable for use on concrete walls and floors. It is also recoatable.

Designed Use

- As an abrasion resistant floor coating for moderate traffic environments.

Physical Data

Volume Solids (Based on ASTM D2697)	: 78% + 2%
Typical Dry Film Thickness	: 200 microns
Wet Film Thickness	: 256 microns
Theoretical Coverage	: 3.9 m^2/litre @ 200 microns DFT
Colour	: Limited colours
Finish	: Gloss

Application Details - Method Of Application

Airless Spray : This is a possible method of application. Maximum 10% Thinner may be added. Tip Size: 0.38 - 0.48 mm (0.015 - 0.019 in). Pressure: 110 - 160 kg/cm2 (1600 - 2300 psi).

Brush or Roller : This is the recommended method of application. Thinner maximum 5% may be added.

	Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
				Minimum	Maximum	
Drying time	15°C	12 hours	16 hours	16 hours	Indefinite	10 hours
	25°C	9 hours	12 hours	12 hours	Indefinite	2 hours
	35°C	6 hours	10 hours	10 hours	Indefinite	1 hours
	45°C	4 hours	8 hours	8 hours	Indefinite	40 minutes

No. of Components	**Two**
Mixing Ratio	As per the mixing ratio mentioned in the pack
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

Thinner/Cleaning solvent : Solvalux 7-45
Storage Instruction : Store in a cool shaded dry area
Flash Point : Mixed 45°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 829 filler or any other suitable flooring compound before application.
- One coat of Luxaflor 1100 to be applied at 50 microns followed by Luxaflor 4000.
- For detailed application requirement contact Sales Representative.

Product Use Restrictions
- May also be applied between 150 and 300 Microns DFT.
- This is not suitable for heavy duty and highly acidic environments.

Surface Preparation

Safety Precautions
- Avoid contact with 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 vapouror 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 : Move patient 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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