

Technical Data Primers and Ancillaries

Floor Guard Epoxy Primer

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 coatings.
- This is a part of the anti-carbonation system.

Designed Use

- As a high quality protective coating for concrete, plaster, masonry, brick work and block work.
- Can be used interior and exterior surfaces and floor coating primer also.

Physical Data

Volume Solids (Based on ASTM D2697)	: 45% + 2%
Typical Dry Film Thickness	: 50 microns
Wet Film Thickness	: 110 microns
Theoretical Coverage	: 9 m ² /liter @ 50 microns DFT
VOC "As Supplied" (Based on ASTM D3960)	: 350 gms /ltr
Colour	: White
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. Maximum 15% Thinner may be added Tip Size: 1.80 – 2.20 mm (0.071 – 0.087 in). Pressure: 2.75 – 3.45 kg/cm² (40 – 50 psi).
- **Brush or Roller**: This is the recommended method of application for exterior masonry surfaces. Thinner maximum 5% may be added.

Drying time	Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
				Minimum	Maximum	
	15°C	8 hours	16 hours	16 hours	Indefinite	10 hours
	25°C	6 hours	12 hours	12 hours	Indefinite	2 hours
	35°C	4 hours	10 hours	10 hours	Indefinite	4 hours
	45°C	3 hours	8 hours	8 hours	Indefinite	2 hours
No. of Components	Two					
Mixing Ratio	As per pack size					
Application Conditions	Do not apply this product if the relative humidity exceeds 85% 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 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, we recommend sweep blasting. Where it is not possible 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. If acid etching is not an option, then wire brushing and hand power tool cleaning can be used.
- For detailed application requirement contact Sales Representative.

Product Use Restrictions

- May also be applied between 50 and 75 Microns DFT.
- Epilux concrete primer can be over coated with the range of single and two pack coatings.
- As is common with epoxies this product will chalk on exposure to direct sunlight.

Safety Information And Precautions

Safety 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.

This Technical Data Sheet supersedes those previously issued with immediate effect