

Technical Data Floor Coating

Floor Guard Epoxy Top Coat

Epoxy Floor Coating

Product Description

A two pack modified 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 with suitable topcoats.

Designed Use

- Designed for mild industrial floor of parking areas and traffic areas and walkways.
- Has good chemical resistance and hot water resistance.
- It is recommended in mild duty area of walkways, industrial floors, battery rooms and equipment rooms which are not subjected to heavy movements.

Physical Data

Volume Solids (Based on ASTM D2697)	: 52 % + 2 %
Typical Dry Film Thickness	: 50 microns
Wet Film Thickness	: 96 microns
Theoretical Coverage	: 10.4 m ² /litre @ 50 microns DFT
VOC Supplied (ASTM D 3960)	: 410gms/liter
Colour	: White, Grey and Limited Colour range
Finish	: High Sheen

Application Details - Method Of Application

Airless Spray	: This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.38 - 0.48 mm (0.015 - 0.019 in) Pressure: 130 - 160 kg/cm ² (1800 - 2300 psi).
Brush or Roller	: However, additional coats may be required to achieve the recommended film thickness. Thinner (max 2%).

	Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
				Minimum	Maximum	
Drying time	15°C	3 hours	20 hours	24 hours	10 days	10 hours
	25°C	2 hours	16 hours	16 hours	5 days	4 hours
	35°C	1 hour	8 hours	10 hours	3 days	3 hours
	45°C	40 minutes	6 hours	8 hours	3 days	1½ hours

No. of Components	Two
Mixing Ratio	3 parts base to 1 part hardener (by volume)
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 30°C
Packaging	: 5 litres and 20 litres
Shelf Life	: 24 months from the date of manufacture

Surface Preparation

The surface must be dry and sound, free from break downs and contaminants including salt deposits. If application is to a concrete substrate, it must be sound and free from laitance. Remove laitance by wire brush, acid etch or sweep blast. Any blow holes must be filled with Epilux Solventless filler or floor compound.

- Soluble salts, dirt and dust must be removed prior to applying the coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts.
- Always ensure the maximum over coating time for the primer/build coat has not been exceeded prior to application.

Product Use Restrictions

- As is common with all epoxies this product will chalk on exposure to direct sunlight.
- Dry heat resistance up to 120°C.
- May also be applied between 50 - 75 microns DFT.

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 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: 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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