

Technical Data Primers and Ancillaries

Apcoflor HFP 120

Two Components, High Solid, Epoxy Resin Based Universal Floor Primer

Product Description

- Designed as a high solid primer for concrete surfaces.
- Suitable primer for the entire Apcoflor topcoat series.
- Provides excellent adhesion between concrete surface and epoxy top coating/screeding.
- Good penetration and sealing properties.
- Good bonding with old and new concrete surfaces that are sound.
- Good chemical resistance.

Designed Use

- Designed for highly porous floor substrates.
- Chemical resistant flooring requirement.

Physical Data

Volume Solids (Based on ASTM D2697)	: 90 % ± 2%
Typical Dry Film Thickness	: 50 microns
Wet Film Thickness	: 56 microns
Theoretical Coverage	: 16.00 m ² /kg @ 50 microns DFT
Colour	: Clear
Finish	: Glossy

Application Details - Method Of Application

It is suggested that the product be applied by stiff brush for better penetration. The coverage would vary significantly based on the nature of the concrete surface. On porous surface where the primer is absorbed quickly leaving dry patches, a second coat is recommended. A minimum dft of 50 microns is recommended. Screed coat application must be done when the primer is tacky.

	Ambient Temperature	Touch Dry	Hard Dry	Full Cure	Re coating Interval		Pot Life
					Minimum	Maximum	
Drying time	25°C	6 hours	24 hours	10 Days	24 hours	10 Days	4 hours
	35°C	4 hours	16 hours	7 Days	16 hours	7 days	3 hours
	45°C	3 hours	12 hours	5 Days	12 hours	5 Days	1 hour

No. of Components	Two
Mixing Ratio	As per pack size
Induction Time	15 Minutes
Application Conditions	Do not apply this product if the relative humidity exceeds 85%

Additional Information

Thinner/Cleaning solvent	: Solvalux 7-45
Storage Instruction	: Store in a cool shaded dry area
Flash Point	: Mixed less than 28°C
Packaging	: 5 Kg and 20 Kg
Shelf Life	: 24 months

Surface Preparation

- A sound, clean and dry substrate is absolutely essential for successful coating application and in ensuring maximum bonding between the substrate and coating system. New concrete surface must be a minimum of 28 days old, free from curing compounds and sealers and have a moisture content less than 5 % prior to application of the primer.
- The surface can be prepared mechanically using sand blasting, shot blasting or scarifier or by acid etching with hydrochloric acid followed by thorough water wash and wire brushing. As the case may be detergent wash may also be done. The choice of surface preparation should be determined by the extent and nature of contamination present on the concrete surface. All dust present must be removed by vacuum pump.
- After applying Apcoflor HFP 120 all cracks present, based on the depth of the crack, should be filled either by epoxy putty or mortar. Expansion joints should be brought up through the coating.

Mixing

- Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogeneous mixing. Mix hardener gradually into the base under continuous stirring as per stated mixing ratio. Apply after induction time and before expiration of pot life.

Product Use Restrictions

- Generally recommended for interior use.
- As common with all epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight.
- Not suitable for rising damp.

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.

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