



Apcoflor HFP 120

Two Components, High Build, Universal floor primer

Description

Apcoflor HFP is a two component, high build, epoxy resin based universal floor primer.

Uses

- Car Park decks
- Storage areas
- Easy clean floor coating for food processing plants, soft drinking plants
- Seamless automotive plants, warehouses, chemical plants and car parks.

Characteristics

- High solid primer for concrete surface
- Suitable primer for the entire APCOFLOP top coat 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.

Properties

Volume solids (ASTM D2697)	90%±2%
Typical Dry Film Thickness	50 microns
Wet film thickness	56 microns
Color	Clear
Finish	Glossy

Drying time

Ambient Temp	Touch Dry Hrs	Hard Dry Hrs	Full cure Days	Recoating interval		Pot Life Hrs
				Min Hrs	Max Days	
25°C	6	24	10	24	7	4
35°C	4	16	7	16	5	3
45°C	3	12	5	12	3	1

Induction time: 15 minutes

Application Method

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.

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 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, diamond grinding, shot blasting or scarifier. 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.

All cracks present, based on the depth of the crack, should be filled either by Apcoflor Epoxy Putty or epoxy mortar, Expansion joints should be brought up through the coating using Smartcare UnyverSeal PU Sealant or SmartCare Unyverseal Polysulphide Sealant.

Moisture testing

The concrete slab should be tested for moisture with the Rapid RH (relative humidity) test. If the humidity reading is more than 80%, then conduct moisture vapor emission rate testing (MVER) as per ASTM F1869. If the MVER is high, use a moisture tolerant primer.

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.

Theoretical Coverage

16 m² /kg @ 50 microns DFT

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.

Mixing Ratio

65 parts Base to 35 parts hardener (by weight)

Brush or Roller

This is the recommended method of application.
Thinner maximum 5% may be added

Additional Information

Thinner/ cleaning solvent	Solvalux 7-45
Packaging	5 Kg & 20 Kg
Shelf life	Upto 12 months

Product usage restrictions

- Generally recommended for interior use.
- Application method and higher drying temperature may affect the color of the coating.
- As common with all Epoxy products, this product also will tend to discolor and chalk on
- exposure to direct sunlight.
- Not suitable for rising damp.

Storage

Store the container with the lid tightly closed in an up-right position, in a cool, dry place, well ventilated space and keep away from sources of heat and ignition. Keep out of reach of children and away from eatables.

Safety Precautions

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles. Use a barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor 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 MSDS for detailed health & safety information on this product.

First Aid

Eyes: in the event of accidental splashed, flush eyes immediately with warm water and obtain medical advice

Skin: wash skin thoroughly with soap and water, or with an approved industrial cleaner. Do not use solvents.

Inhalation: move patient to fresh air, loosen collar and keep rested.

Ingestion: do not induce vomiting, obtain immediate medical attention

For detailed handling & storage information refer to MSDS

Note: The information supplied in our literature or given by our employees is based on extensive experience and, together with that supplied by our agents or distributors, is given in good faith to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of work, we accept no liability for any loss or damage which may arise as a result thereof.

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For enquiries, feedback and complaints please contact or write to us at
Oman : 800-01790 | weassure.oman@asianpaints.com
U.A.E : 800-27237437 | weassure.uae@asianpaints.com
Bahrain : 800-08098 | weassure.bahrain@asianpaints.com
Qatar : +974-44693489 | weassure.qatar@asianpaints.com