

APCOFLOR MFP 140 ENAMEL

High solid. Solvent free. Moisture insensitive. Epoxy resin based floor primer

DESCRIPTION AND USES

- Designed as a solvent free primer for damp concrete surface.
- Suitable primer for the entire **APCOFLOR** top coat series.
- Provides excellent adhesion between concrete surface and epoxy top coating.
- Good penetration and sealing properties.
- Good bonding with old and new concrete surfaces that are sound
- Good chemical resistance.

PRODUCT PROPERTIES

Volume Solids (ASTM D2697)	100 %
Typical Dry Film Thickness	200 – 250 microns
Wet Film Thickness	200 – 250 microns
Theoretical Coverage	4.50 m ² /KG @200 microns DFT 3.60 m ² /KG @250 microns DFT
Color	Clear
Finish	Glossy
Thinner / Cleaning solvent	Solvalux 7 - 45
Flash Point	Mixed less than 28°C

INSTRUCTIONS FOR USE

1) 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 scarified or by acid etching with hydrochloric acid followed by thorough water wash and wire brushing. 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 MFP 140**, all cracks present, based on the depth of the crack, should be filled either epoxy putty or mortar.
- Expansion joints should be brought up through the coating.

2) 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.

No Of Component	Two
Mixing Ratio	68 parts "Base" to 32 parts "Hardener" (by weight)
Application Conditions	Do not apply this product if the relative humidity exceeds 85%
Induction Time	Nil (Apply immediately after mixing)
Recommended substrate moisture level	15% (Maximum)

3) Application Process:

- The product should be spread immediately after mixing without any induction time.
- 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 200 - 250 microns is recommended.
- Primer should not be applied on standing or running water.
- Second coat application must be done when the primer is tacky.

4) Drying Time:

Surface Temperature	Touch Dry	Hard Dry	Full Cure	Recoating Interval		Pot Life
				Minimum	Maximum	
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 hours

5) Recommended Usage:

- As a primer coat for green concrete.
- Suitable primer for low temperature application.

APPLICATION TOOLS



PACKAGING

1Kg, 5Kg & 20Kg.

STORAGE AND SHELF LIFE

- 12 months from the date of manufacture.
- Store in a cool shaded dry area.

SAFETY PRECAUTIONS

- Please refer to material safety data sheet (MSDS) before using the product.
- Please revert to technical office for application advice.
- For alternative systems may be specified, depending on area of use.