

Technical Data Floor Coating

Apcoflor TC 510

Two Components, High Build, Solvent Free, Epoxy Floor Coating

Product Description

- Durable, wear resistant top coat.
- Impervious, flexible film.
- Excellent flow and leveling giving self leveled finish.
- Wide spectrum chemical resistance.
- Attractive, easy to clean and maintain.
- Odourless and safe to apply.

Designed Use

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

Physical Data

Volume Solids (Based on ASTM D2697)	: 100%
Typical Dry Film Thickness	: 200 – 300 microns
Wet Film Thickness	: 200 – 300 microns
Theoretical Coverage	: 2.60 m ² /kg @ 250 microns DFT
Colour	: As per Shade card
Finish	: Glossy

Application Details – Method Of Application

- The product may be applied by brush or Roller. The coverage would vary significantly based on the nature of the concrete surface.
- Two coats of the product are recommended to achieve an optimum dry film thickness of 400-600 microns.
- Anti-skid aggregates can be sprinkled during wet condition of the 1st coat(if required).

	Ambient Temperature	Touch Dry	Hard Dry	Full Cure	Recoating Interval (Min.)	Pot Life
Drying time	25°C	6 hours	24 hours	7 days	24 hours	90 minutes
	35°C	3 hours	16 hours	7 days	16 hours	30 minutes
	45°C	1½ hours	12 hours	5 days	12 hours	20 minutes

No. of Components	Two
Mixing Ratio	78 parts base to 22 parts hardener (by weight)
Induction Time	2 - 5 minutes
Application Conditions	Do not apply this product if the relative humidity exceeds 95% 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 less than 28°C
Packaging	: 5 Kg and 20 Kg pack
Shelf Life	: 24 months from the date of manufacture

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 suitable Apcoflor primer, 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. Can be used on exteriors white over-coated with TC 610 or other PU top coats
- Application method and higher drying temperature may affect the colour of the coating.
- As common with all epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight.

Storage, Safety Information And Precautions

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.

This Technical Data Sheet supersedes those previously issued with immediate effect