

APCOFLOR TC 510 - EPOXY TOPCOAT

Two Components, Solvent based Epoxy Floor Coating

PRODUCT DESCRIPTION

- Impervious, Flexible, Durable Epoxy coatings with good flow & leveling characteristics.
- Provides a hygienic and dust free environment.
- Hard wearing and chemical resistant.
- Attractive, easy to clean and maintain.

DESIGNED USE

- Epoxy floor coating for General purpose with Smooth and Anti-Skid Finish.
- Easy clean coating for floor, Car parking areas, Ramp areas, Garages and Poultry farms.
- Durable and Tough Flooring for Industrial Floors, Warehouses.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	92 ± 2 %
TYPICAL DRY FILM THICKNESS	200 - 300 microns
WET FILM THICKNESS	217 microns – 326 microns
THEORETICAL COVERAGE	3.68 m ² /ltr. Or, 2.59 m ² /kg. @ 250 microns DFT
COLOUR	Range
FINISH	Semi Glossy

APPLICATION DETAILS

METHOD OF APPLICATION :

APPLICATION

The product may be applied by brush or Roller. The practical coverage would vary significantly based on the nature of the surface profile, surface undulation, loss factor. 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).

DRYING TIME:

Ambient Temperature	Touch Dry	Hard Dry	Full Cure	Pot Life
25°C	8 Hrs	24 Hrs	7 Days	90 Minutes
35°C	6 Hrs	20 Hrs	7 Days	60 Minutes
45°C	4 Hrs	16 Hrs	5 Days	30 Minutes

NO. OF COMPONENTS

Two

Mixing Ratio (Base : Hardener)

As per pack size in kgs

Application Conditions

Do not apply this product if the Relative Humidity exceeds 85%.

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Kadisco Epoxy Thinner/Acrylic Thinner
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed less than 28°C
Packaging	28.5 Kgs (Base and Hardener)
Shelf Life	12 months

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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 by scarifier. 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 HFP120 or, recommended epoxy primer, all cracks present, based on the depth of the crack, should be filled either epoxy putty or mortar. Post epoxy putty application, one coat of Apcoflor HFP 120 to be applied as per requirement. Expansion joints should be brought up through the coating. One coat of Apcoflor TC 510 can be applied, if required to get Anti-Skid property, Sprinkle Aggregates on wet surface, post drying of first coat of Apcoflor TC 510 after 24 hours second coat of Apcoflor TC 510 to be applied.

MIXING

- A suitable power driven mixer/ stirrer is recommended for uniform mixing of the paint. Stir the base and hardener separately. Mix hardener gradually into the base under continuous stirring as per stated mixing ratio. Continue the mixing for 3 – 4 minutes. Mix well for 5 – 6 minutes till the components become homogeneous. Apply before expiration of pot life.

PRODUCT USE RESTRICTIONS

- Generally recommended for interior use.
- 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.
- For Outdoor application, Apcoflor TC 600 PU Topcoat to be applied within 7 days of Apcoflor TC 510 application.
- Not suitable for rising damp, Does not cure below 10 Deg.C.

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 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 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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We are in direct touch with our Valuable
Customers “Staying Connected”
Via our WeAssure Helpline -



For enquiries, feedback and
complaints please call +251973808080 or
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This Technical Data Sheet supersedes those previously issued with immediate effect