

## APCOFLOR TC 600

Solvent based Polyurethane Floor coating

### Product Description

A two pack acrylic polyol and aliphatic isocyanate based polyurethane floor topcoat. The topcoat

- Resistant to exterior environment condition with good mechanical properties.
- Excellent gloss and colour retention.
- Good water, chemical and abrasion resistance.

### Designed Use

- As an abrasion resistant floor top coat for traffic environments such as car parks, ramps, walkways and steps.
- Can be used over epoxy systems and epoxy screeds as a final coat.

Physical Data	Volume Solids (Based on ASTM D2697)	45% + 2%
	Typical Dry Film Thickness	40 microns
	Wet Film Thickness	90 microns
	Theoretical Coverage	11.00 m <sup>2</sup> /litre @ 40 microns DFT
	Colour	Limited colours
	Finish	Gloss

### Application Details - Method Of Application

- Airless Spray:** This is a possible method of application. Maximum 10% Thinner may be added  
 Tip Size: 0.38 - 0.48 mm (0.015 - 0.019 in). Pressure: 110 - 160 kg/cm<sup>2</sup>(1600 - 2300 psi)
- Brush or Roller:** This is the recommended method of application. Thinner maximum 5% may be added.

### Drying Time

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
15°C	5 hours	36 hours	24 hours	Indefinite	10 hours
25°C	3 hours	24 hours	16 hours	Indefinite	5 hours
35°C	2□ hours	16 hours	10 hours	Indefinite	4 hours
45°C	1□ hours	10 hours	8 hours	Indefinite	2 hours

No. of Components	Two
Mixing Ratio	7 parts base to 1 part hardener (by volume)
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 7-73
	Storage Instruction	Store in a cool shaded dry area
	Flash Point	Mixed 28°C
	Packaging	5 litres and 20 litres
	Shelf Life	12 months from the date of manufacture of base and 6 months from the date of manufacture for hardener

### Surface Preparation

- The performance of the coating is directly proportional to the degree of surface preparation.
- Ensure the surface is clean, dry and free from all contaminants.
- New concrete surfaces must be cured at least 4 weeks before application of primer.
- The surface should be sound and free from any laitance.
- If any laitance found remove using wire brush or by sweep blast.
- For best performance on new concrete surfaces, acid etching may be used. The surface should be treated with 10 – 15% dilute hydrochloric acid. Keep overnight and clean surface thoroughly with sweet water. The washing must be continued till the acidity becomes neutral. Use PH paper to ascertain the level of acidity.
- Blow holes should be filled with Epilux Concrete filler/stopper/Putty or any other suitable flooring compound before application.
- One coat of Apcoflor FP100 to be applied at 50microns followed by 2coats(80–100micron) for light foot traffic.
- For car park areas with colour retention, over Apcoflor TC 510, Apcoflor TC 600 can be applied at 50 – 100 micron depending upon the requirement.
- For detailed system recommendation and application, please contact Berger Sales Representative.

### Product Use Restrictions

- May also be applied between 40 and 50 Microns DFT per coat.
- This is not suitable for heavy duty environments.
- Not suitable for industrial and factory floors where high chemical and abrasion resistance are required.

### 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: 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.

*“This Technical Data Sheet supersedes those previously issued with immediate effect  
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