

## APCOFLOR CAR DECK TC



## PRODUCT DESCRIPTION

Two component solvent free, polyurethane car park deck topcoat

## FEATURES AND RECOMMENDED USE

- High slip resistance with total Apcoflor Car Deck coating system
- Hard wearing- abrasion resistance with total Apcoflor Car Deck coating system
- Reduce Noise – greatly reduces tyre squeal with total Apcoflor Car Deck coating system
- Excellent bond strength with total Apcoflor Car Deck coating system
- Forms jointless flooring
- Suitable for indoor applications
- Fast track installation
- Specially designed for car park deck coating

## TECHNICAL DATA

Colour	Range
Gloss	Glossy
Recommended DFT / Coat	500 - 600 $\mu\text{m}$
Theoretical Coverage Capacity	0.8kg/m <sup>2</sup> @ 500 $\mu\text{m}$ DFT 1.0 kg/m <sup>2</sup> @ 600 $\mu\text{m}$ DFT
Drying Time at 30°C	Surface Dry : 5 hours Hard Dry : 18 hours Full cure : 7 days
Mixing Ratio By weight	83.6 : 16.4 ( Base : Hardener)

## MECHANICAL DATA

Slip resistance (Pendulum test)	Classified "Low Slip Potential" under BS EN 13036-4:2011 Dry > 40 ; Wet >40 ( Low slip Potential)
Pull up adhesion on Concrete (ASTM D 4541)	> 1.5 MPa, Concrete failure
Abrasion resistance, (ASTM D 4060) (Total Apcoflor car Deck system)	0.1 gm loss per 1000 cycles (1 Kg load using CS 17 wheels)
Water Permeability, RILEM Test tube method (Total Apcoflor car Deck system)	Nil
Chemical Resistance, ASTM D 1308-02 (07) (Total Apcoflor car Deck system)	Resistant to petrol, diesel and hydraulic fluid
Tensile Strength, ASTM D 412	10 MPa
Shore A Hardness, ASTM D 2240	90 units

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances. The coverage & consumption figures are theoretical and do not allow for any additional material required due to surface porosity, surface profile, variations in level or wastage etc. The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc. The information provided above is at 30°C and 65% relative humidity.

## APPLICATION INSTRUCTIONS

### Substrate Quality:

- Concrete substrates must be sound and of sufficient compressive strength (minimum 20 Mpa) with a minimum tensile strength of 1.5 MPa
- A sound, clean and dry substrate is absolutely essential for successful coating application and ensuring maximum bonding between the substrate and coating system
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. and have a moisture content less than 5% prior to application of the primer. Ensure that the substrate does not suffer from rising moisture and potential osmosis problems

### Surface Preparation

**New concrete floors:** Should be at least 28 days old or have a moisture content of less than 5% before proceeding with Apcoflor Car Deck BC application. Laitance and deposits on new concrete floors are preferably removed by light grit/ shot blasting, mechanical scarifying or grinding to achieve an open textured surface

### Floor Joints:

- All cracks and construction joints present, based on the depth of the crack, should be filled either with epoxy putty or mortar after primer application
- The expansion joints should not be overcoated with the coating and to be addressed with suitable material.
- Freshly applied Apcoflor Car Deck TC should be protected from damp, condensation and water for at least 24 hours
- At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time & curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly

## APPLICATION CONDITIONS

### Substrate Quality:

- Residual moisture content of the concrete substrate should not exceed 5%
- No rising moisture & potential osmosis problems
- Substrate temperature should be at least 3°C above dew point but not above 50°C
- Recommended ambient temperature for application is between 10°C - 40°C
- Relative Air Humidity (RH) to not exceed beyond 80%

## CLEANING

- All tools and equipment can be cleaned with Thinner T 141 immediately after use

Note: Apcoflor Car Deck should not be applied to asphalt, weak or friable concrete, unmodified sand/cement screeds, PVC tiles or sheet or substrates known to move substantially e.g. steel walkways. In common with all polyurethane materials some light shade changes may be experienced over the long term when placed in adverse exposure conditions. Any such change in shade is not regarded as being detrimental to performance

## PRODUCT CHARACTERISTICS

<b>PACK SIZE</b>	10 Kg (Base : 8.36 KG, Hardener : 1.64 KG)
<b>STORAGE</b>	<b>Shelf Life:</b> At least 6 months @ 30°C for original unopened pack, subject to inspection thereafter Store in a cool, dry place and in accordance with local regulations
<b>REGULATORY INFORMATION</b>	<b>Flash Point:</b> Base: Not less than 24°C; Hardener: Not less than 24°C <b>VOC:</b> Approx. 15 gm/ltr as per USA-EPA Method 24

## SAFETY INFORMATION

- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection is always recommended while spraying paint
- Please refer our Material Safety Data Sheet prior to using the product

*Disclaimer: To the best of our knowledge the information provided herein are true and accurate at the date of issuance. Since we have no control over the quality or condition of the substrate or the various factors affecting the use and application of the product, we do not accept any responsibility or liability arising out of use of the product. The company reserves the right to modify data contained herein without prior notice. Any change in data would normally be followed by issue of a new data-sheet. The user should check with the nearest sales office of the company and confirm the validity of the information, prior to using the product.*

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