

## SOLIDKOTE CPD

3 - 4 mm Elastomeric Car Park Decking System

A flexible, elastomeric, solvent free, polyurethane resin coating system specifically developed for car park deck protection and waterproofing. The system provides a colourful, crack-bridging, trafficable, non-slip surface.



### BENEFITS:



*Solvent free system.*



*Seamless, non-slip finish.*



*High order of durability.  
Resistance to abrasion, impact,  
chemical attack and  
penetration.*



*Excellent adhesion to various  
substrates.*



*Excellent flexibility and  
elongation.  
Resistant to cracking.*



*Simple, layered application.*

### TECHNICAL DETAILS

Concrete Adhesion	> 1.5 MPa (Concrete failure)	ASTM D7234
Water Uptake (Permeability)	Nil	Karsten Test
Chemical Resistance	Refer to chemical chart	
UV Resistance	Excellent (Non-yellowing)	
Elongation	300% (CBM)	
Appearance	Satin	
Finish	Textured	
Colour	Various (Customisable)	
Thickness	3 to 4 mm	
Light Traffic	12 to 16 hrs	
Heavy Traffic	2 to 3 days	
Full Chemical Cure	7 days	
Application Temperature	0 to 30°C RH. Max 75%	

### SYSTEM BUILD-UP

Solidkote CPD - System	3 - 4 mm total DFT
Polyscreed PU Primer FS	500 um
Solidkote CBM	1,5 mm WFT (Crack bridging membrane)
Solidkote Impact + Scatter Sand #1	0.5 mm Solidkote Impact + 2.0 kg / m <sup>2</sup>
Solidguard PUR (ID) Ultra-Tough (ED)	250 um (DFT)



\*Product colours may differ from the ones shown above. For a full colour chart or for samples, contact your nearest Technical Finishes branch. UV exposure causes yellowing, most prominent in light colours.

## APPLICATIONS:

- Aesthetic enhancement
- Noise reduction
- Water-proofing
- Environment brightening
- Safe, non-slip environments
- New and old Car park decks

## SUITABLE SUBSTRATES

Concrete, polymer reinforced, grano concrete, asphalt, mild steel.

## SUBSTRATE REQUIREMENTS

Concrete substrates must have a minimum compressive strength of 20 to 25 MPa, a minimum tensile pull-off strength of 1.5 MPa and be free of oil, fat, grease, dust, and loose friable materials. Ensure substrate is fully dry, not more than 10% moisture content or 90% RH. The storage, mixing and application conditions can affect the quality of the finish produced.

Note: Any filling of blowholes/voids and surface levelling of substrate can be achieved using appropriate products within Technical Finishes Construction Range (please speak to one of our technical sales representatives).

## INSTALLATION

SOLIDKOTE CPD is a specialised system and should only be installed by an approved applicator with a documented quality assurance regime.

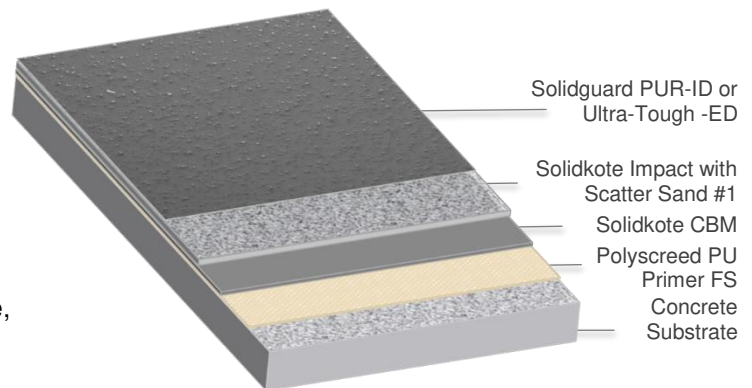
## PREPARATION

To be assured of maximum adhesion and physical / chemical properties the correct surface preparation is essential. Removal of all pre-existing coatings via grinding methods is essential. Remove all grease, oils, debris and contaminants with a suitable degreasing cleaner. It is preferable to vacuum dry the substrate to speed up drying after cleaning. Ensure that the substrate is fully dry; where necessary a moisture test may be required.

## PRIMING

Prime the surface with Polyscreed PU Primer FS at a rate of 2 m<sup>2</sup> / L to achieve the desired film thickness of 500 um. Ensure that the primer is uniform; and covers the substrate evenly. Allow to cure for 4 – 6

hours before proceeding. Maximum overcoating time of 16 hours is allowed.



## CRACK BRIDGING MEMBRANE

Apply SOLIDKOTE CBM, crack-bridging membrane at the specified application thickness. Usually a wet film of 1.5 mm is adequate. Application may be done by 3mm notched rake, trowel or squeegee until a uniform wet film is obtained. Lightly spike roll the wet film to encourage good air-release.

Allow the Solidkote CBM coat to cure overnight before proceeding. Clean the cured surface by solvent wiping before proceeding.

## SOLIDKOTE CPD BODY-COAT

Onto the cured Solidkote CBM membrane apply a 0.5 mm thick film of Solidkote Impact. Allow the Solidkote Impact to degas for 15 - 20 minutes (at 25°C). Into the wet but tacky Solidkote Impact, broadcast scatter sand #1 to full rejection at a rate of 2.0 kg / m<sup>2</sup> to achieve a full blind. Allow to cure for 8 - 12 hours before removing excess Scatter sand and proceeding with over-coating. High traffic areas, ramps and steep gradients require a broadcast of Scatter AloX to add increased wear resistance.

## FINISHING COAT

The Solidkote CPD system is then to be finished by application of a final sealer coat. This is done to ensure full UV resistance (colour stability) as well as to protect the sub-layers from the ingress of dirt and other contaminants. The specified sealer is the Solidguard PUR coating for Internal Decks (ID) which is to be applied at a rate of 6 – 8 m<sup>2</sup> / L by medium mohair roller application in a two-coat fashion at right angles to one another. Careful attention is to be paid to preserve the integrity of the non-slip, textured finish. For exposed decking systems, Ultra Tough is recommended for exposed decks (ED).

## MAINTENANCE

Maintain the SOLIDKOTE CPD SYSTEM by regular scrubbing with Liquid Action (See TDS), this will maintain the finished system in serviceable condition. Damaged areas of this system should be patch-repaired / replaced in order to ensure longevity of the working area. A maintenance coating of Solidkote UVC will need to be applied every 3 - 5 years depending on the traffic of the area.

## HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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