

# X-Tech DeckCoat APC

## Two component, solvent base aliphatic polyurethane coat

### Product Description

X-Tech DeckCoat APC is a two component, solvent base, aliphatic polyurethane resin based coating. It is used as an intermediate and a top coat for car park deck coating systems. The product is also available in a high build version

### Advantages:

- Meets SCAQMD Rule 1113 & LEED VOC Limits
- Formaldehyde free
- Resistant to UV
- Resistant to wide range of chemicals
- Abrasion resistant
- Durable
- waterproofing
- Flexible
- Available in wide range of colors
- Easy to use
- Easy to clean and maintain

### Uses

- Heavy pedestrian traffic
- Parking structures
- Vehicular traffic
- Resealing existing urethane surfaces.

### Specification Compliance

- ASTM C957
- ASTM C1127
- SCAQMD Rule 1113
- LEED NC2009 IEQ 4.2

### Application Properties

<b>Dry film thickness</b>	100 to 200 micron per coat
<b>Solid Content by weight</b>	71 ± 1 %
<b>Solid Content by volume</b>	60 ± 1 %
<b>Specific gravity</b>	1.2 ± 0.05
<b>Pot life</b>	30 mins at 23°C
<b>Recoat time</b>	12-24h at 25°C / 50% RH
<b>Initial cure</b>	24 h at 25°C / 50% RH
<b>Full cure</b>	5 days at 25°C / 50% RH

### Laboratory Test Data

<b>Tensile Strength ASTM D412</b>	> 12 N/mm <sup>2</sup>
<b>Elongation ASTM D412</b>	> 200 %

### Service Temperature

-10C to 60C

### Volatile Organic Content

VOC = 350g/L

### Color

Dark Grey, Light Grey , Grey, blue, yellow, red, others available on request.

### Theoretical Coverage

2.5 m<sup>2</sup> per Kg at 200 micron DFT.

Actual coverage will vary with surface profile.

### Color

Dark Grey, Light Grey , Grey, white, others available on request.

### Packaging

1kg, 5kg and 10kg pails.

other sizes available on request

### Shelf Life

12 months when stored between 5 and 35C under shade in a dry environment.

### Installation Guidelines

X-Tech DeckCoat APC should be applied by experienced waterproofing crews. NCC X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

## Surface Preparation

The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be prepared by light grit blasting or high pressure water blasting to produce a lightly exposed aggregate surface. Any bug holes should be filled with X-Shield BugFill after priming.

## Priming

Prime the surface using X-Shield SF Primer or X-Shield MT Primer and allow to dry before applying X-Tech DeckCoat APC. Ensure that no ponding of the primer occurs and that it is not applied too thick. If the primer is left to dry for more than 24 hours the surface will have to be re-primed. Porous substrates may require a two coat application. Mix X-Shield SF or MT Primer by adding the hardener 'Part B' into the base 'Part A' and mix using a slow speed drill (500 rpm) with a mechanical Mixing Paddle for 3 minutes or until both components have fully dispersed and are uniform in color. Be sure to rotate the mixer throughout the drum. Mix only full packs.

## Mixing

Thoroughly mix Part A for a minimum of 2 minutes. Add Part B and mix slowly to minimize the vortex and to prevent trapping air. Thoroughly mix both parts with a slow-speed drill (500 rpm) with a mechanical Mixing Paddle for 3 minutes. Mix only full packs.

## Application

Apply to surfaces in a single coat at a Dry film thickness of 100 to 200 micron, by brush, squeegee, phenolic core roller or airless spray. Recoat times will be reduced at higher temperatures. If the recoat time is exceeded contact NCC X-Calibur for advice on suitable primers. Clean equipment using X-Shield Solvent.

X-Tech Anti Skid Grains can be used to provide a non-skid finishes. They are also used to provide a suitable primed surface for the application of trowel applied epoxy and polyurethane floors by providing a keyed surface. Available in fine, medium and coarse grades in pedestrian, drive ways, parking areas, ramps and turning areas. Must apply two coats of X-Tech DeckCoat APC between them X-Tech Anti Skid Grains as an intermediate layer.

## Clean Up

Clean up using X-Pruf Solvent. Cured material can only be removed by mechanical means.

## Limitations

Do not apply in rain or wet conditions.  
Do not apply at temperatures below 5C.  
Do not apply at temperatures above 50C or within 3C of the dew point.  
Do not discard into the water system.  
Protect from wear and abrasion. Avoid skin contact.

## Health and Safety

**This product is for industrial use only by trained operatives. It is not considered hazardous if used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website [www.ncc.com.eg](http://www.ncc.com.eg).**

## Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Support Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit [www.ncc.com.eg](http://www.ncc.com.eg) for a full list of NCC X-Calibur ATs.

## Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on [www.ncc.com.eg](http://www.ncc.com.eg) to ensure you have the latest version.

## Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Systems Inc. **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.