

# X-Shield AcrylCoat

## Single component elastic acrylic waterproof coating

### Product Description

X-Shield AcrylCoat is a high performance, multi function elastic acrylic coating used for waterproofing. A solar reflective grade is available on request.

### Composition

X-Shield AcrylCoat is a single component, solvent free coating manufactured using a high performance acrylic co-polymer, fillers and wetting agents.

### Advantages

- Meets SCAQMD Rule 1113
- Formaldehyde free
- Waterproof
- Elastic
- UV stable
- Durable
- Breathable
- Can be applied to one day old concrete
- Environmentally friendly
- Non-toxic

### Uses

- Wet area waterproofing
- Roof waterproofing
- Restoration of metal roofs
- Restoration of fiber cement roofs

### Specification Compliance

SCAQMD Rule 1113

Classified under BS EN 1062-1:2002 as Class C<sub>1</sub> carbon dioxide permeability.

### Laboratory Test Data

Property	Typical Results
<b>Water permeability</b>	Nil at 10m head
<b>Tensile strength</b>	>1.0MPa (145psi)
<b>Elongation</b>	>300%
<b>Water vapor transmission</b>	2.3g/m <sup>2</sup> .h
<b>Rapid chloride permeability</b>	Negligible
<b>Specific Gravity</b>	1.25
<b>Volume Solid</b>	50

The above data relates to X-Shield AcrylCoat after 28 days curing.

### Volatile Organic Content

VOC = <50 g/L

### Color

Grey and white.

### Theoretical Coverage

2.5Kg/m<sup>2</sup> at DFT 1mm for roofs (reinforced)

0.75Kg/m<sup>2</sup> at DFT 300micron for roofs and walls (unreinforced)

### Packaging

20 liter pails.

### Shelf Life

12 months when stored below 30C (86F) under shade in a dry environment.

### Installation Guidelines

X-Shield AcrylCoat should be applied by experienced applicators. 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 a suitable filler.

### Priming

The surface should be primed using X-Shield AcrylCoat diluted with 20% clean potable water. Apply the primer coat at the rate of 0.2L/m<sup>2</sup> using roller, brush or airless spray. Allow to dry completely (8 hrs at 25C) before applying subsequent coats.

### Application

Stir well prior to use. Apply using brush, roller or airless spray. Apply at 0.8L/m<sup>2</sup> per coat. Apply subsequent coats once the coat beneath has completely dried. Subsequent coats should be applied in the perpendicular direction (at 90°) to the previous coat. The coating can

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be reinforced using X-Shield CrackMat in areas subject to movement.

### **Limitations**

Do not add water to the mixed coating.  
Temperature of the mixed coating should be less than 30°C at time of mixing.  
Do not apply to substrates that have free water on them.  
Not suitable for use with acids.  
Do not be apply within 3C of the dewpoint or if it is within 5C of the dewpoint and dropping.  
Avoid excessive application.  
Avoid skin contact.  
Do not discard into the water system.  
Apply only on to slabs that have a waterproofing system installed in order to prevent blistering due to osmosis.

### **Health and Safety**

**This product is for industrial use only by trained operatives. It is potentially hazardous if not 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 Specialists ('ATSS') 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 ATSS.

### **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 Chemicals. **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 Chemicals shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.