

# X-Roc StrongRepair F

## Cement Base polymer modified finishing coat

### Product Description

X-Roc StrongRepair F is a single component, polymer modified, silica fume containing, moisture resistant, and surface applied mortar for horizontal and vertical concrete surface. It can be used upto 5mm thickness.

### Advantages

- High bond strength
- Durable and moisture resistant
- Good adhesion to prepared concrete
- Breathable
- For interior and exterior apply
- Single component
- Easy to use

### Uses

Designed to surface, repair, and level concrete substrates as in:

- Prepacked fairing coat for leveling new and old surfaces prior to coating
- Residential and commercial buildings
- Filling holes and blemishes
- Basements and foundations
- Masonry

### Laboratory Test Data

Property	Typical Results
<b>Compressive strength MPa</b>	>23 MPa
<b>Fresh Wet Density</b>	2±0.2 gm/cm <sup>3</sup>
<b>Adhesion strength to concrete</b>	1.5-2.5 MPa

### Physical Properties

Pot Life: 45 min.

### Packaging

25kg Bags

### Theoretical Coverage

6kg/M<sup>2</sup> (3mm thickness) depending on the porosity and the texture

### Shelf Life

12 months when stored at below 35C (95F) under shade in a dry environment.

### Installation Guidelines

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

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits.

### Substrate Priming

After surface preparation has been completed, the substrate should be soaked with water and not allowed to dry out.

### Mixing

Add X-Roc StrongRepair F to 5.6 to 6 ltr water and mix for three minutes until fully dispersed. Use an NCC X-Calibur approved forced action mechanical mixer.

### Application

Damped the surface just before application but avoid over saturation

Trowel in the mortar in a maximum layer thickness 5 mm and a minimum layer thickness 1 mm using an upward struck

Completely cover the surface leaving no holes.

### Thickness

The application thickness should be between 1mm and 5mm for each layer. Applications in excess of the thickness quoted above may be achieved by "keying" the compacted layer and then applying X-Roc BondCure. Once this layer has reached sufficient strength, apply a primer coat of X-Roc BondCure and proceed as before.

### Curing

The finished surfaces should be misted with water once or twice per day or with a water based curing compound X-Roc BondCure

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### **Limitations**

Ensure the temperature of the mixed mortar does not exceed 95F (35C).

Do not mix by hand.

Do not part mix, use only full bags.

Do not apply in rain or wet conditions or at temperatures below 40F (4C).

Do not expose to running water until the product is cured fully.

### **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 Chemistry. **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.