



## Surface preparation

### Concrete

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 an X-Shield BugFill.

### Steel

Any damaged steel should be removed and replaced. The substrate should then be grit blasted to minimum SA 2½. Depending on the level of corrosion protection required, an anti-corrosion or holding primer may be necessary. X-Shield EpoxySeal PW must be applied immediately after the grit blasting has been completed. Any imperfections should be filled with an X-Shield BugFill.

### Mixing

Add the hardener 'Part B' into the base 'Part A' and mix using a slow speed drill (500 rpm) with an X-Shield Coating Mixer 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.

### Application

Apply in two coats of 200 to 400 micron (8 to 16mils) wet film thickness using brush or roller. The first coat should be applied in such a manner as to ensure a good bond. Allow first coat to dry for at least 8 hours at 20C (68F) or 4 hours at 35C (95F). For application by airless spray or pipe coating equipment consult NCC X-Calibur before use. Clean equipment using X-Shield Solvent.

### Spray Grade

Please contact NCC X-Calibur for advice if spray application is required.

### Limitations

Will change color when exposed to direct sunlight.  
Will not accommodate movement cracks.  
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.