

# X-Shield AntiChloride S

## Solvented hydrophobic penetrating sealer

### Product Description

X-Shield AntiChloride S is a ready to use single component penetrating silane siloxane specifically developed to reduce the ingress of chloride ions and water into concrete and masonry. Can be used in combination with X-Shield AntiCarb or alone to provide long term protection.

### Advantages

- Penetrates into substrates
- Reduces chloride ion ingress
- Reduces water absorption
- Reduces dirt pick up
- Allows water vapor transmission
- Easy to apply

### Uses

Protection of reinforced concrete structures including

- Highways
- Bridge structures
- Car park decks
- Commercial buildings
- Marine structures
- Industrial facilities

### Laboratory Test Data

Property	Typical Results
Reduction in water absorption	90%
Initial Surface Absorption (BS 1881 Part 5, 1970)	<0.01 after 10 minutes

### Color

Clear

### Coverage

4m<sup>2</sup>/liter (153ft<sup>2</sup>/gallon) single coat application to dense, good quality concrete. Porous substrates will require a two coat application.

### Packaging

Pails: 20 liters , Drums: 210 liters

### Shelf Life

12 months when stored at 25C (77F) or less in a dry and shaded area. Store in flammable storage area.

### Installation Guidelines

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

All surfaces to be treated should be dry, clean and free from any contamination. Old concrete and masonry structures will require cleaning by water jet to remove accumulated dust and salts. After washing, the surface must be allowed to dry. Where moss, algae and similar growths are present, these should be removed and the area treated with X-Treat Sanitizer.

### Application

X-Shield AntiChloride S is to be applied in a continuous application using a soft brush or low pressure spray with a 5 to 6mm (1/4") nozzle. Airless spray can be used at the lowest pressure setting with a 0.025" tip. Porous substrates will require a two coat application. The coverage rate will be a minimum of 4m<sup>2</sup>/liter (153ft<sup>2</sup>/gallon) but this may increase depending on the porosity of the substrate.

### Limitations

Do not apply at temperatures below 5C (40F).

Porous surfaces will require a higher coverage rate and two applications.

Do not contaminate with water.

Do not discard into the water system.

### 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.

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### 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 these 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 Inc.

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