

# X-Shield Alkyd Primer HP

## Alkyd based general purpose anti-corrosion primer

### Product Description

A general purpose alkyd based primer containing non-toxic anti-corrosive pigments for the protection of steel surfaces against moderate corrosive environments. The product offers good leveling and coverage with excellent adhesion.

### Advantages

- Excellent adhesion
- Good coverage and hiding power
- Non-toxic pigments
- Hides minor surface imperfections and stains on surfaces

### Uses

- As a general purpose anti-corrosion primer for steel structures and surfaces in mildly corrosive environments.

### Application Properties

<b>Volume solids (ASTM D2697)</b>	54 ± 2%
<b>Recommended DFT</b>	30 to 40 Microns/coat
<b>Recommended WFT</b>	55 to 75 Microns/coat

### Drying Time (at 30C)

<b>Touch dry</b>	30 to 45 mins
<b>Recoat</b>	12 h to 24 h
<b>Hard dry</b>	24 h

### Color

Red

### Packaging

1 and 5Kg cans.

### Shelf Life

18 months when stored at 30C in original sealed container, with proper storage conditions.

### Coverage

6-8 m<sup>2</sup> per Kg (at 45-60 Micron DFT)

### 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.

### Surface Preparation

Surfaces should be thoroughly cleaned and degreased to SSPC-SP1 prior to blasting. All sharp edges, protuberances, welds, etc should be ground down to remove any sharp edges. The degreased surface should now be grit blasted to a minimum Sa 2½ in accordance with BS7079 Part A1 or equivalent. This means very thorough blast cleaning using chilled steel grit to provide near white metal 85% clean. The surface shall be free from all foreign matter. A surface profile of 45 microns is the recommended finish. All dust and abrasive residue must be removed from the surface prior to application of the first primer coat.

Where grit blasting is not possible or desirable, surface preparation can be carried out by mechanical means to standard ST2 i.e. thorough scraping, wire brushing or grinding to remove all loose mill scale, rust, loose coating and foreign matter for small areas. The finished surface should have an irregular profile. The metal should display a "bright" finish.

For larger applications hydro-jetting (high pressure water jetting) is recommended as follows. Hydro-jetting with raw water at a delivery pressure of between 450 to 500 bar at a flow rate of 16 gallons a minute. This is sufficient for the removal of all loose paints and mill scale back to a tight surface. Soluble salt readings should now be taken to give an indication of micro siemens of sodium chloride contamination present. Subsequent hydro jetting with potable water at 620 to 700 bar at a flow rate of 18 gallons a minute to flush the surface contamination. Soluble salt readings should again be taken and give an indication of between 10 to 30 micro siemens. Any residual existing coating must be firmly adhered to the substrate and should be thoroughly abraded.

### Clean Up

Clean tools and equipment immediately after use with water. Cured material can only be removed mechanically or with X-Shield Solvent.

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### **Limitations**

Not suitable for constant water immersion or over-coating of zinc primed steel.

### **Health and Safety**

**Flash point: 38C**

**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.