

X-Shield Primer ZRE

Two component zinc rich epoxy primer for structural steel

20330505

Product Description

X-Shield Primer ZRE is a high performance zinc rich epoxy coating for use as an anti-corrosive primer for structural steel.

Composition

X-Shield Primer ZRE is a two component solvented epoxy resin containing high purity zinc and wetting agents.

Advantages

- Compatible with a wide range of topcoats
- Abrasion resistant
- High zinc content
- Long pot life

Typical uses

- Highway structures
- Marine structures
- Buildings
- Petrochemical facilities
- Storage tanks

Laboratory Test Data

Finish	Matt
Dry film thickness	50 microns
Volume solids	51 ±2%
Specific gravity	2.4 ±0.05
Pot life	8 hours at 30°C (86°F)
Touch dry	30 mins at 30°C (86°F)
Recoat time	5 to 12 hours at 30°C (86°F)
Full cure	4 days at 30°C (86°F)

Color

Grey.

Theoretical Coverage

10m² per liter per coat.

Actual coverage will depend on wastage and surface profile and can be up to 20% higher than theoretical coverage.

Packaging

19 liter packs.

Shelf Life

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

Installation Guidelines

X-Shield Primer ZRE should be applied by experienced coating crews. 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

Any damaged steel should be removed and replaced. The substrate should then be grit blasted to minimum SA 2½. X-Shield Primer ZRE must be applied immediately after the grit blasting has been completed. Any imperfections should be filled with X-Shield BugFill after priming.

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. After mixing, allow to stand for 15 to 20 minutes before use.

Application

Apply in single coats of 100 micron wet film thickness using brush, roller or airless spray. Multiple coats can be applied. When using airless spray, tip size should be 0.019" at a pressure of 2200psi. Apply subsequent coats or topcoat within 5 to 12 hours at 30°C (86°F). Clean equipment using X-Shield Solvent.

Limitations

Not to be used without a topcoat.
Do not apply below 5°C or within 3°C of the dew point. Avoid excessive application.
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.x-calibur.net.

Authorized Technical Specialist

Please note that only X-Calibur Authorized Technical Specialists ('ATs') 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.x-calibur.net for a full list of X-Calibur ATs.

Datasheet Validity

X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.x-calibur.net to ensure you have the latest version.

Warranties

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. 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 X-Calibur in writing within five working days of being detected. X-Calibur Construction Systems Inc. **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.** X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

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