

X-Tech Primer Filler

Epoxy bug hole filler and primer



90030313

Product Description

X-Tech Primer Filler is a medium viscosity, thixotropic epoxy resin for filling bug holes (blow holes) and surface imperfections on concrete slabs prior to the application of epoxy and polyurethane products. Slabs treated with X-Tech Primer Filler do not normally require a separate primer to be applied.

Composition

X-Tech Primer Filler is a solvent free epoxy resin.

Advantages

- Meets SCAQMD Rule 1113 & LEED VOC Limits
- Formaldehyde free
- Topcoats and base coats can be applied directly without primer
- Eliminates requirement for a primer
- Long Pot life
- Very easy and fast to apply
- Resistant to wide range of chemicals
- Can be used in immersed conditions

Typical Uses

- To condition concrete surfaces prior to applying coatings and flooring systems.

Specification Compliance

SCAQMD Rule 1113

LEED NC2009 IEQ 4.2

Laboratory Test Data

Property	Typical Results
Compressive strength	>50MPa
Tensile strength	>12.5MPa
Pot life	1 hour 25C 40 mins 35C
Recoat time	12 to 36 hours at 25C 6 to 24 hours at 35C

Volatile Organic Content

VOC = <10 g/L

Theoretical Coverage

0.3 to 0.6 L/m²

Actual coverage will depend on wastage and surface profile.

Packaging

15L packs.

Shelf Life

12 months when stored below 35C under shade in a dry environment.

Installation Guidelines

X-Tech Primer Filler should be applied by experienced paint 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

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 and reveal all bug (blow) holes and imperfections.

Mixing

Thoroughly mix the base 'Part A' prior to adding the hardener 'Part B' using a slow speed drill (500rpm) fitted with an approved X-Calibur mixing paddle. After mixing the base, add all of the hardener to the base and mix for 1 minute until both components have fully dispersed and are uniform in color. Add the filler component and mix for a further 3 minutes until homogenous. Be sure to rotate the mixer throughout the drum. Mix only full packs.

Application

Apply using trowel or squeegee using a 'scrape on, scrape off' technique to completely fill bug (blow) holes and imperfections. Clean uncured material from equipment using X-Shield Solvent. Cured material can only be removed by mechanical means.

Limitations

Will change color when exposed to direct sunlight.
Do not finish using solvent.
Will not accommodate movement cracks.
Do not apply below 40F (4C)
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.x-calibur.us.

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.us for a full list of X-Calibur ATs.

Datasheet Validity

X-Calibur makes modifications to its product datasheets on a continuous basis. Check the current datasheet section on www.x-calibur.us 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 Chemistry 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 Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.