

X-Tite EpoxyGrout 150

Multipurpose epoxy grout

50081415

Product Description

X-Tite EpoxyGrout 150 is a flowable epoxy resin grout used for a variety of grouting and anchoring applications where high dynamic loads are anticipated and high early strength is required.

Composition

X-Tite EpoxyGrout 150 is a three component pre-measured system consisting of a base, hardener and a filler component containing graded silica sands.

Advantages

- High early strength
- Non shrink
- Resistant to a wide range of chemicals
- Vibration resistant
- Dimensionally stable
- Waterproof

Uses

- Base plate grouting
- Machine grouting
- Crane rail grouting
- Anchor bolts

Laboratory Test Data

Property	Typical Results
Compressive strength (BS 6319)	≥80MPa at 7 days
Flexural strength (ASTM C580 / BS 6319)	≥30MPa at 7 days
Tensile strength (BS 6319)	≥18MPa at 7 days
Service temperature	-40C to +50C

Cure Profiles

	20C	25C	30C	35C	40C
Pot life* (mins)	125	100	80	65	50
Full cure (days)	7	7	5	5	4

* Pot life results are for the mixed resin+hardener+filler. Prior to the issue of this datasheet we stated the pot life for resin+hardener only.

Flow Properties

Temperature	10C	20C	>30C
Maximum flow	0.8m	2m	3m

The above flow rates were determined at a gap depth of 30mm at a head of 300mm.

Gap depth when used under base plates

Minimum: 12mm

Maximum: 150mm

Annulus gap when used for anchor bolt or rebar installation

Minimum: 5mm

Maximum: 75mm

Maximum depth 50 x bar or bolt diameter

Packaging

12 and 45 liter packs.

Shelf Life

18 months when stored at 30C or less in a frost-free, dry and shaded area.

Installation Guidelines

Epoxy grouting should only be carried out by experienced contractors. 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.

Mixing

Pour the base component into a suitable clean mixing vessel, and while stirring slowly, add the hardener component and mix for 2 minutes. Once the base and hardener have been mixed, add the filler and mix for a further 3 minutes. A mechanical mixer such as a slow speed drill and EPI MR2, or similar mixing paddle, is recommended for small batch sizes. For large batch sizes a forced action mixer should be used.

Application

Place the mixed grout immediately after mixing; any delay will reduce the ability of the product to flow. Pour continuously from one side only at a uniform rate until the

grout has flowed into position. Care must be taken when pouring the material to ensure that no voids or trapped air are in the filled gap. It is important that sufficient material is always mixed and ready to pour in order to ensure continuous flow.

Limitations

Will change color when exposed to direct sunlight.

Do not apply below 5C.

Avoid skin contact.

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 Support 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.x-calibur.us for a full list of X-Calibur ATSSs.

Datasheet Validity

X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update 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.