



X-Tile Grout EJ

Multi-component epoxy tile grout

Product Description

X-Tile Grout EJ is a two component epoxy tile grout based on a high grade epoxy resin system with superior chemical resistance. It can be used to grout joints up to 10mm wide. The grout can be wiped off the tile before setting with a wet sponge or cloth making it very easy to use.

Advantages

- Meets SCAQMD Rule 1168 & LEED VOC Limits
- Formaldehyde free
- Chemical resistance.
- Shrinkage free and high grab.
- Damp proof resistance.
- Impact and vibration resistant.
- Excellent adhesion
- Suitable for horizontal and vertical applications
- Resistant to staining
- Solvent free
- Cleans with water
- Meets LEED VOC requirements

Uses

X-Tile Grout EJ is a high strength material with no shrinkage, and suitable for grouting tiles in high abrasion, chemical resistance and immersed situations.

Specification Compliance

SCAQMD Rule 1168
LEED NC2009 IEQ 4.1
Estidama LBi-2.1
ANSI A118.8

Volatile Organic Content

VOC = <10 g/L

Color

Grey & white other colors readily available subject to minimum order quantities.

Packaging

5 liter Pack.

Laboratory Test Data

Property	Typical Results
Density	Approx. 1.7 kg/ltr
Pot Life	60 minutes at 25C
Tensile Strength	>15 MPa
Flexural Strength	>20 MPa
Water Absorption	<1%
Bond to Epoxy Adhesive	>5 MPa
Maximum Service Temperature	60°C

Chemical Resistance

Test method ASTM D3912 (12 month exposure)

Chlorine 20ppm	Excellent
Bromine 50ppm	Excellent
Citric Acid 10%	Excellent
Tartaric Acid 10%	Excellent
Acetic Acid 5%	Satisfactory
Nitric Acid 25%	Good
Hydrochloric Acid 25%	Good
Sulphuric Acid 50%	Good
Sodium Hydroxide 50%	Excellent
Diesel Fuel / Petrol	Very Good
Sugar Solutions	Very Good
Lactic Acid	Very Good
Hydrocarbons	Very Good
Phosphoric Acid 50%	Very Good

Shelf Life

Store in dry conditions between 5C to 40C. The shelf life is 12 months when unopened and stored correctly.



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.

Approximate Coverage kg/m²

Tile size (mm)	2mm Joint	3mm Joint	4mm Joint
25x25x6	1.9	2.8	5.6
50x50x6	0.8	1.2	2.4
100x100x10	0.8	1.1	2.2
100x100x13	1.0	1.4	2.8
100x200x10	0.6	0.8	1.6
100x200x13	0.8	1.1	2.2
150x150x10	0.6	0.8	1.6
150x150x13	0.7	1.0	2.0
150x150x19	1.0	1.4	2.8
200x200x10	0.4	0.6	1.2
200x200x13	0.6	0.8	1.6
250x250x10	0.3	0.4	0.8
300x300x10	0.2	0.3	0.6
300x300x13	0.2	0.3	0.6

Substrate Preparation

The tile joints must be clean, free of any contamination.

Mixing

Mix component A and B together thoroughly with a slow speed drill for 2 to 3 minutes (max 400 R.P.M.). Continue mixing until homogeneous.

Packs can be split if suitable weighing and measuring equipment is available at the job site.

Where multiple small areas are to be grouted, transfer the mixed grout to clean buckets and distribute to the grouting teams to allow them to use the product within 45 minutes.

Grouting

X-Tile Grout EJ should be applied after 12 hours but within 24 hours after application of the tile adhesive. This will help ensure uniform stress distribution at the bond line and maximum bond. Apply using a rubber grouting spatula or trowel, taking care to ensure that is well compacted into the joints. Excess material should be removed immediately from the tile surface using a damp cloth or sponge.

Joints

Ensure that movement and perimeter joints are incorporated as per the relevant Code of Practice.

Trial Area

Due to the wide variety of substrates, tiles and methods of tile fixing used in construction it is recommended that a trial area be carried out prior to commencement of tiling works.

Cleaning

Clean all tools and equipment immediately with X-Shield Solvent A.

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 ('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 ATSS.

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.