X-Tite Construction Grout
General purpose non-shrink grout

Product Description
X-Tite Construction Grout is a non-shrink cementitious grout containing expansion agents to prevent shrinkage while the product hardens.

Advantages
- High flow
- High early strength
- Controlled expansion
- Chloride free
- Can be bulked out for thick section use and concrete repair

Uses
- Anchor bolts
- Base plates
- Crane rails
- Bridge bearings
- Columns
- Pile cap re-profiling
- Pre-cast elements
- Cast and form concrete repairs

Laboratory Test Data

<table>
<thead>
<tr>
<th>Property</th>
<th>24 hours</th>
<th>7 days</th>
<th>28 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive strength</td>
<td>3500psi</td>
<td>8000psi</td>
<td>10000psi</td>
</tr>
<tr>
<td>(24MPa)</td>
<td>(55MPa)</td>
<td>(69MPa)</td>
<td></td>
</tr>
<tr>
<td>24 hour expansion</td>
<td></td>
<td>&lt;4%</td>
<td></td>
</tr>
</tbody>
</table>

Flow Distances

<table>
<thead>
<tr>
<th>Gap Depth</th>
<th>4&quot; (100mm) Head</th>
<th>10&quot; (250mm) Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; (10mm)</td>
<td>3.3ft (1m)</td>
<td>8.2ft (2.5m)</td>
</tr>
<tr>
<td>3/4&quot; (20mm)</td>
<td>6.6ft (2m)</td>
<td>&gt;9.9ft (3m)</td>
</tr>
<tr>
<td>1 1/4&quot; inch (30mm)</td>
<td>8.2ft (2.5m)</td>
<td>&gt;9.9ft (3m)</td>
</tr>
<tr>
<td>1 5/8&quot; inch (40mm)</td>
<td>&gt;9.8ft (3m)</td>
<td>&gt;9.9ft (3m)</td>
</tr>
</tbody>
</table>

Minimum grout depth: 3/8" (10mm)
Maximum grout depth: 6 inches (150mm)

Packaging
80lb or 25kg bags.

Yield
Approximately 0.72ft³ per 80lb bag.
Approximately 15 liters per 25kg bag.
Yield will vary with water content.

Water Content
80lb bag: 1.0 to 1.25 gallons.
25kg bag: 3.8 to 4.0 liters.

Setting Time
Initial set is approximately 2 hours.

Shelf Life
24 months when stored between 40 and 95°F (4 and 35°C) under shade in a dry environment.

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.

Surface Preparation
Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits.

Mixing
Add X-Tite Construction Grout to water and mix for three to five minutes using an X-Calibur approved forced action mechanical mixer. The actual water content per bag depends on the pack size used (80lb or 25kg).
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 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.net 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.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.