
TEC® Fast Set Ultimate Large Tile Mortar

Whatever your tile challenge — large or extra large, thick or ultra-thin, walls or floors, TEC® Fast Set Ultimate Large Tile Mortar has you covered. Its unique formula combines the best of multiple large tile mortars into one — no slip, no slump and superior mortar transfer to tile. So go ahead, take large tile challenges head-on with the mortar that gives you the ultimate ability to handle any installation.

Contact your local sales rep to request a demo. Have a question? Visit TECQuestions.com.

TECSpecialty.com
TEC® Fast Set Ultimate Large Tile Mortar is a high performing, polymer-modified, full-contact (full-coverage) mortar for installing ceramic, porcelain and natural stone tile. It is ideal for use as a medium bed mortar for heavy and large format tile in both interior and exterior applications (maximum mortar thickness of $3/4" \,[19\, \text{mm}]$ after the tile is embedded). It can also be used in standard thin-set applications. As a medium bed mortar it significantly reduces the need for back-buttering. It also provides extended open time and has non-sag/non-slump characteristics for wall and floor applications. For details about TEC® product or system warranties, contact your sales associate or visit tecspecialty.com.

### Features and Benefits

- **Non-sag for wall applications**
- **Non-slip for floor applications**
- **Superior transfer - full coverage with minimum effort**

### Additional Features and Benefits

- Fast curing formula – grout in 3-4 hours
- Thinset or medium-bed application
- Ideal for use with heavy and large format tile
- Approved for setting and tiling on uncoupling membranes
- Extended open time
- Mixes to a smooth, creamy consistency for superior handling
- Interior/ exterior use
- Exceeds ANSI A118.4TF and A118.11 specifications
- Zero VOC
- Contains recycled materials*

  * Gray formula contains 5% pre-consumer recycled material.
  
  White formula contains 5% post-consumer recycled material.

### Technical Data

#### Physical Properties

<table>
<thead>
<tr>
<th>Description</th>
<th>Physical State</th>
<th>Color</th>
<th>Pot Life</th>
<th>Initial Cure (at 72°F (22°C))</th>
<th>Final Cure</th>
<th>Foot Traffic Rating (ASTM C627)</th>
<th>Storage</th>
<th>Shelf Life</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dry powder</td>
<td>Available in white and gray</td>
<td>50 minutes</td>
<td>3-4 hours</td>
<td>21 days</td>
<td>Residential to Extra Heavy Commercial (depending on substrate)</td>
<td>Store in cool, dry location. Do not store open containers.</td>
<td>Maximum 1 year from date of manufacture in properly stored, unopened package.</td>
</tr>
</tbody>
</table>

### Suitable Substrates

When properly prepared, suitable substrates include:

- Cured concrete, cured mortar beds, brick and masonry (interior and exterior installations)
- APA Grade Trademarked Exposure 1 Plywood (Underlayment grade or better, two layers, 1⅝" (28 mm) total minimum thickness for joists 16" (40 cm) o.c., interior floors only)
- Gypsum wallboard (dry interior wall areas only)
- Water resistant gypsum wallboard (i.e. greenboard, interior walls only, dry to intermittent water exposure only)
- Cementitious backer units (CBU) or glass mat backerboard
- Existing ceramic tile and natural stone, provided existing flooring is well-bonded to an approved substrate
- Vinyl composition tile, asphalt tile, linoleum or non-cushioned vinyl sheetgoods provided such surfaces are single layered, well-bonded to an approved substrate and properly prepared
- Adhesive residue (except tacky or pressure-sensitive adhesive). Mechanically remove the adhesive to expose at least 80% of the concrete surface. Random specks of adhesive and the appearance of a brown surface stain are acceptable.
- Uncoupling membranes (see Product Data Sheet for details)

### Coverage

Coverage will vary with condition of substrate. Required trowel size will vary with the tile size, type and substrate uniformity. Select the trowel size that will ensure 100% coverage. Figures below are presented only as guidelines.

<table>
<thead>
<tr>
<th>Trowel Size</th>
<th>Approximate Coverage per 40 lbs. (18.14 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1/4&quot; \times 1/4&quot; \times 1/4&quot; ,[6 \times 6 \times 6 ,\text{mm}] ,$ square-notch trowel</td>
<td>91-102 sq. ft. (8.4-9.5 m²)</td>
</tr>
<tr>
<td>$3/8&quot; \times 3/8&quot; \times 3/8&quot; ,[9 \times 9 \times 9 ,\text{mm}] ,$ square-notch trowel</td>
<td>75-85 sq. ft. (7.0-7.9 m²)</td>
</tr>
<tr>
<td>$3/8&quot; \times 3/8&quot; \times 3/8&quot; ,[9 \times 9 \times 9 ,\text{mm}] ,$ square-notch trowel</td>
<td>60-68 sq. ft. (5.6-6.3 m²)</td>
</tr>
<tr>
<td>$1/2&quot; \times 1/2&quot; \times 1/2&quot; ,[12 \times 12 \times 12 ,\text{mm}] ,$ square-notch trowel</td>
<td>45-51 sq. ft. (4.2-4.7 m²)</td>
</tr>
<tr>
<td>$3/4&quot; \times 3/8&quot; \times 3/8&quot; ,[19 \times 14 \times 9 ,\text{mm}] ,$ rounded-notch trowel</td>
<td>30-34 sq. ft. (2.8-3.2 m²)</td>
</tr>
</tbody>
</table>

Visit tecspecialty.com to learn more