Quik Flex® Accelerated Thin Set Mortar

1. PRODUCT NAME
TEC® Quik Flex® Accelerated Thin Set Mortar
(395/396)

2. MANUFACTURER
H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.832.9023 Technical Support
800.952.2368 Fax
tecspecialty.com

3. DESCRIPTION
Set tile with Quik Flex® fast-setting, one part latex mortar and you’re ready to grout in only 3 hours versus the 12 to 16 hours required with regular set mortars. An excellent choice for high performance/high traffic installations, it’s rapid, trouble-free installations minimize down time and maximize satisfaction for your commercial or homeowner customer.

Key Features and Benefits
• Fast curing formula, grout in 2½ to 3 hours
• Superior bonds
• Interior/exterior use
• One part—just add water and mix
• Mixes to a smooth, creamy consistency
• Exceeds ANSI A118.4 and A118.11 specifications
• Contributes to LEED® certification
• Zero VOC
• Contains recycled materials*
* Gray formula contains 9% pre-consumer recycled material.
• White formula contains 0% pre-consumer recycled material.

Packaging
25 lb. (11.34 kg) plastic bags
Gray Product #3300403011
White Product #3300413011

25 lb. (11.34 kg) moisture-resistant bags
Gray Product #3300403011

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 25 lbs. (11.34 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(395) Gray</td>
</tr>
<tr>
<td>¼&quot; x ¼&quot; x ¼&quot; (6 x 6 x 6 mm) square-notched trowel</td>
<td>48-53 sq. ft. (4.5-4.9 m²)</td>
</tr>
<tr>
<td>¼&quot; x ¼&quot; x ¼&quot; (6 x 9 x 6 mm) square-notched trowel</td>
<td>33-38 sq. ft. (3.1-3.5 m²)</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, 1¼" (28 mm) total minimum thickness for joists 16" (40 cm) o.c., interior floors only]
• Gypsum wallboard (dry interior wall areas only)
• Existing ceramic tile and natural stone, provided existing flooring is well-bonded to an approved substrate.
• Cementitious backer units (CBU) or glass mat backerboard
• Existing concrete, provided surface is structurally sound and non-level, free from oil, grease, dust, paint, sealers or concrete curing compounds.
• Mortar should not be applied when the temperature of the area and substrate to be tiled is below 50°F (10°C) as this delays the curing process.
• Do not apply over single layer wood floors.

Limitations
• Not for installing green marble, other moisture-sensitive stone tile or resin-backed marble; use TEC® AccuColor EFX® Epoxy Grout and Mortar.
• Not for use over rubber, strip wood floors, oriented strand board, particle board, lauan plywood or CDX plywood.

Cautions
Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC® brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.
**4. TECHNICAL DATA**

**Applicable Standard**

Exceeds ANSI A118.4 and A118.11 specifications

**Quik Flex® Accelerated Thin Set Mortar (395/396)**

<table>
<thead>
<tr>
<th>Description</th>
<th>ANSI Requirement</th>
<th>Typical Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 Day Shear Strength</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glazed Wall Tile</td>
<td>&gt; 300 psi (2.1 MPa)</td>
<td>430-525 psi (2.9-3.6 MPa)</td>
</tr>
<tr>
<td>Impervious Ceramic Tile (Porcelain)</td>
<td>&gt; 200 psi (1.4 MPa)</td>
<td>335-410 psi (2.3-2.8 MPa)</td>
</tr>
<tr>
<td>Quarry Tile</td>
<td>&gt; 150 psi (1.0 MPa)</td>
<td>465-565 psi (3.2-3.9 MPa)</td>
</tr>
<tr>
<td>Sag on Vertical Surfaces</td>
<td>≤ 1/4&quot; (1.6 mm)</td>
<td>0-1/32&quot; (0-0.8 mm)</td>
</tr>
<tr>
<td>Open Time at Room Temperature</td>
<td>≥ 20 minutes</td>
<td>20-30 minutes</td>
</tr>
<tr>
<td>Adjustability at Room Temperature</td>
<td>≥ 20 minutes</td>
<td>≥ 20 minutes</td>
</tr>
<tr>
<td>Final Set</td>
<td>≤ 3 hours</td>
<td>2 1/2-3 hours</td>
</tr>
</tbody>
</table>

**Physical Properties**

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Dry powder</td>
</tr>
<tr>
<td>Color</td>
<td>Available in white and gray</td>
</tr>
<tr>
<td>Pot Life</td>
<td>50 minutes</td>
</tr>
<tr>
<td>Initial Cure (at 72°F (22°C))</td>
<td>2 1/2-3 hours</td>
</tr>
<tr>
<td>Final Cure</td>
<td>21 days</td>
</tr>
<tr>
<td>Foot Traffic Rating (ASTM C627)</td>
<td>Residential to Extra Heavy Commercial (depending on substrate)</td>
</tr>
<tr>
<td>Storage</td>
<td>Store in cool, dry location. Do not store open containers.</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>Maximum shelf life is from date of manufacture in properly stored, unopened package. Plastic bag: 1 year Moisture-resistant bag: 1 year</td>
</tr>
</tbody>
</table>

**5. INSTALLATION INSTRUCTIONS**

**Mixing**

For best results, maintain all tiling materials, substrates, room and adhesives at 50°-70°F (10-21°C) for 24 hours before installation. Maintain recommended room temperature for 48 hours after installation. In a clean mixing container, add 25 lbs. (11.34 kg) Quik Flex® mortar to clean, cool water as specified in the chart.

<table>
<thead>
<tr>
<th>Product</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>(395) Gray</td>
<td>2 1/2 to 3 quarts (2.4 to 2.8 L)</td>
</tr>
<tr>
<td>(396) White</td>
<td>2 1/2 to 3 1/2 quarts (2.6 to 3.3 L)</td>
</tr>
</tbody>
</table>

Add powder to liquid for ease of mixing. Mix material to a thick creamy consistency. Avoid breathing dust and contact with eyes and skin. Avoid using high speed mixing, not to exceed 300 rpm, to prevent entraining air. **Use immediately. Do not slake.**

**Application**

Apply mortar using flat side of trowel to promote better substrate contact, then comb in one direction with the notched side of the trowel. Spread only an area that can be tiled while surface is still tacky (typically 10-15 minutes). Press tiles into setting bed, then push in a direction perpendicular to the notched trowel ridges to achieve optimum coverage. Apply mortar in a heavy enough layer so that complete contact (no voids) between mortar and tile is accomplished when tile is positioned. It may be necessary to “back-butter” large tiles to achieve complete coverage and firm support. Periodically remove and check a tile to assure proper coverage. Keep a minimum of 1/2 of the joint depth between tiles for grouting. Open time and tile hand adjustability may vary with job site conditions. Stir occasionally during use to maintain the smooth, creamy consistency of the product. **Do not add additional water.**

**Clean-up**

Clean tools, hands, and excess materials from face of tile, while mortar is still fresh, with warm soapy water.

**Grouting/Curing**

Grouting may be accomplished when tiles are held firmly in place, typically 2½ to 3 hours after installation is completed. No traffic is permitted over the tiles prior to grouting. Cold temperatures or high humidity may extend curing time. Unglazed tiles may require sealing prior to grouting so discolorations will not occur. The use of TEC® brand grouts is highly recommended.

**6. AVAILABILITY**

TEC® Premium Tile and Stone Installation Products are available nationwide. To locate TEC® products in your area, please contact:

Phone: 800-832-9002
Website: tecspecialty.com

**7. LIMITED WARRANTY**

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product. For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

**8. MAINTENANCE**

Not applicable

**9. TECHNICAL SERVICES**

Technical and safety literature

To acquire technical and safety literature, please visit our website at tecspecialty.com.

**10. FILING SYSTEM**

Division 9