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.
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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>1/4&quot; x 1/4&quot; x 1/4&quot; (6 x 6 x 6 mm) square-notched trowel</td>
<td>48-53 sq. ft.</td>
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<tr>
<td></td>
<td>(4.5-4.9 m²)</td>
</tr>
<tr>
<td>1/4&quot; x 1/4&quot; x 1/4&quot; (6 x 9 x 6 mm) square-notch trowel</td>
<td>33-38 sq. ft.</td>
</tr>
<tr>
<td></td>
<td>(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, 11/2" (28 mm) total minimum thickness for joists 16" (40 cm) o.c., interior floors only].
• Gypsum wallboard (dry interior wall areas only)
• Arrowhead panel (interior wall areas only)
• Lath and plaster (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 sheet goods provided such surfaces are single layered, well-bonded to an approved substrate and properly prepared.
• Adhesive residue (except tacky or pressure-sensitive adhesive).

Substrate Preparation
All substrates must be dry, structurally sound with maximum deflection per industry standards of 1/360 for ceramic tile installations and 1/280 for natural stone installations; and free from oil, grease, dust, paint, sealers or concrete curing compounds. All contaminants must be removed prior to installation of tile. Surface protrusions and tile glazes shall be removed by sanding, scraping or Scarletting. After preparation, remove all dust by vacuuming.

Notes: Vinyl asbestos tile or any substrate containing asbestos must not be sanded, scored or scarified because of the potential health hazard of breathing dust. Any substrate containing asbestos must be handled in accordance with existing EPA regulations. Contact your local EPA office.

Storage
Store in cool, dry location. Do not store open containers.

Shelf Life
Maximum shelf life is from date of manufacture in unopened package.
Plastic bag: 1 year Moisture-resistant bag: 1 year

Limitations
• Not for installing green marble, other moisture-sensitive stone tile or resin-backed marble; use TEC® AccuColor EFX® Epoxy Grout and Mortar.
• For non-green marble tile applications, use white Quik Flex® mortar.
• Not for use over rubber, strip wood floors, oriented strand board, particle board, lauan plywood or CDX plywood.
• Do not apply over single layer wood floors.
• Mortar should not be applied when the temperature of the area and substrate to be tilled is below 50°F (10°C) as this delays the curing process.
• Certain natural stone tiles may be affected by mortar shadowing or staining. Test a small area prior to use to determine suitability.

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

<table>
<thead>
<tr>
<th>Quik Flex® Accelerated Thin Set Mortar (395/396)</th>
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<tbody>
<tr>
<td>Description</td>
</tr>
<tr>
<td>28 Day Shear Strength</td>
</tr>
<tr>
<td>Glazed Wall Tile</td>
</tr>
<tr>
<td>Impervious Ceramic Tile (Porcelain)</td>
</tr>
<tr>
<td>Quarry Tile</td>
</tr>
<tr>
<td>Sag on Vertical Surfaces</td>
</tr>
<tr>
<td>Open Time at Room Temperature</td>
</tr>
<tr>
<td>Adjustability at Room Temperature</td>
</tr>
<tr>
<td>Final Set</td>
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</tbody>
</table>

Greater than: >  Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

Physical Properties

<table>
<thead>
<tr>
<th>Description</th>
<th></th>
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<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>2½-3 hours</td>
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<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>
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<td>Storage</td>
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<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>
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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>
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<tbody>
<tr>
<td>(395) Gray</td>
<td>2½ to 3 quarts (2.4 to 2.8 L)</td>
</tr>
<tr>
<td>(396) White</td>
<td>2½ to 3½ quarts (2.6 to 3.3 L)</td>
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</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 ½ of the joint depth between tiles for grouting.

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.