1. PRODUCT NAME
TEC® Fast Set Mortar
(395)

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

3. DESCRIPTION
TEC® Fast Set Mortar is an accelerated polymer modified thin set mortar that exceeds ANSI A118.4 and A118.11. Use for installing ceramic and natural stone tiles including mosaics, slate and porcelain on walls or floors interior and exterior.

Key Features and Benefits
• Cure only 3 hours before grouting
• Excellent for ceramic, porcelain and natural stone
• Mix with water – no additive needed

Packaging
6 lb. (2.72 kg) plastic pail

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 6 lbs. (2.72 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1⁄4&quot; x 1⁄4&quot; x 1⁄4&quot;</td>
<td>11.5 to 12.5 sq. ft. (1.07-1.16 m²)</td>
</tr>
<tr>
<td>(6 x 6 x 6 mm)</td>
<td></td>
</tr>
<tr>
<td>square-notch trowel</td>
<td></td>
</tr>
<tr>
<td>1⁄4&quot; x 1⁄4&quot; x 1⁄4&quot;</td>
<td>8 to 9 sq. ft. (0.74-0.84 m²)</td>
</tr>
<tr>
<td>(6 x 6 x 6 mm)</td>
<td></td>
</tr>
<tr>
<td>square-notch trowel</td>
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</table>

Suitable Substrates
When properly prepared, suitable substrates include:
• Gypsum wallboard
• Water resistant gypsum wallboard (greenboard)
• Cementitious backer units (CBU)
• Glass mat backerboard
• Cured concrete, cured mortar beds, brick and masonry
• APA Grade Trademarked Exposure 1 Plywood [underlayment grade or better, two layers, 1/8" (28 mm) total minimum thickness, interior floors only]
• 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 existing flooring is well-bonded to an approved substrate)
• Adhesive residue (except tacky or pressure-sensitive adhesive)

Substrate Preparation
All substrates must be dry, structurally sound with maximum deflection per industry standards of L/360 for ceramic tile installations and L/720 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 scarifying. 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.

Expansion joints must be provided in the tile work over all construction, control and expansion joints in the backing and where backing materials change. Follow ANSI A108.01 Section 3.7 Requirements for Expansion Joints.

Maximum variations in all substrates must not exceed 1⁄4" in 10 ft. (6 mm in 3 m) or 1⁄8" in 1 ft. (1.6 mm in 0.3 m) from the required plane. For non-level, interior surfaces use TEC® EZ Level® Premium Self Leveling Underlayment.

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

4. TECHNICAL DATA
Applicable Standard
Exceeds ANSI A118.4 and A118.11 specifications

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<th>TEC® Fast Set Mortar (395)</th>
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<tr>
<td>Description</td>
</tr>
<tr>
<td>28 Day Shear Strength ANSI A118.4</td>
</tr>
<tr>
<td>Glazed Wall Tile</td>
</tr>
<tr>
<td>Impervious Ceramic Tile (Porcelain)</td>
</tr>
<tr>
<td>Quarry Tile</td>
</tr>
</tbody>
</table>

Sag on Vertical Surfaces
≤ 1/16" (1.6 mm) 0-1/8" (0-0.8 mm)

Open Time at Room Temperature
≥ 20 minutes 20-30 minutes

Adjustability at Room Temperature
≥ 20 minutes ≥ 20 minutes

Final Set
≤ 3 hours 2½-3 hours

28 Day Shear Strength ANSI A118.11
Quarry Tile To Plywood
> 150 psi (1.0 MPa) 190-250 psi (1.3-1.7 MPa)

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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</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Dry powder</td>
</tr>
<tr>
<td>Color</td>
<td>Available in 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>
</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 1 year from date of manufacture in properly stored, unopened package.</td>
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5. INSTALLATION INSTRUCTIONS

Mixing
For best results, maintain all tiling materials, substrates, room and adhesives at 50°-80°F (10-26°C) for 24 hours before installation. Maintain recommended room temperature for 48 hours after installation. Add 1.25 - 1.5 pints (575-675 mL) clean, cool water to 6 lbs. (2.72 kg) Fast Set Mortar.
Mix material 2-4 minutes 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.

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 2/3 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. WARRANTY
For warranty details, see your sales associate or tecspecialty.com.

8. MAINTENANCE
Not applicable

9. TECHNICAL SERVICES

Technical assistance
Information is available by calling the Technical Support Hotline.
Toll Free: 800-832-9023
Fax: 630-952-1235

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

10. FILING SYSTEM
Division 9