INSTALLATION

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**Building Codes:** Glazed Brick is found acceptable in most major building codes.

6. MAINTENANCE

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7. AVAILABILITY AND COST

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8. WARRANTY

Elgin Butler Company will certify that its products meet the standards set forth by ASTM C-1405 for quality, product durability, tolerances, and grading specifications. For any suspected non-conforming material found prior to its installation contact the manufacturer to arrange for inspection and determination.

9. TECHNICAL SERVICES

Technical assistance is available by calling our manufacturing facility at (512) 285-3356 or by calling directly to the technical service manager in Ohio at (330) 877-8654. Assistance is also available through our network of qualified distributors throughout the U.S. and Canada.
Illustrations: Quantity take-off and detailing services can be arranged by manufacturer. Specifying detailing services may improve installation results.

4. TECHNICAL INFORMATION

Applicable Standards:

Physical Properties: Brick durability is determined by their resistance to freeze/thaw damage. Class Exterior is intended for use where a resistance to freeze/thaw cycles is required. Many test standards and guidelines are set forth for which the “Class” of glazed brick is determined. Some are mentioned here. For specific information refer to the applicable ASTM Specification Standard.

<table>
<thead>
<tr>
<th>Maximum Water Absorption by 24-hr Cold, %</th>
<th>Maximum Saturation Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual</td>
<td>Average of 5 Brick / Individual</td>
</tr>
<tr>
<td>Class Exterior</td>
<td>7.0</td>
</tr>
</tbody>
</table>

*Saturation coefficient is the ratio of absorption in 24-hr cold water to 5-hr boil tests.

Compressive Strength: Glazed Brick is a structural clay masonry unit. These brick generally exceed the minimum compressive strength requirements many times over in most cases. Class Exterior minimum compressive strengths listed below:

<table>
<thead>
<tr>
<th>Compressive Strength, psi (MPa), Gross area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression of 5 Test Units Per Unit</td>
</tr>
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</table>

Properties of Finish as Follows: Minimum standards for the ceramic glazed finish substantiating durability, building safety and lifetime low maintenance. Test criteria and details for each located in ASTM C-1405. Special decorative, double-fired and clear ceramic glazes are exempt.

- Imperviousness: Subject the finish to a permanent blue-black ink test for 5 minutes then washing with a wet cloth and running water. No stain visible from 5 feet except a slight discoloration in the depressions on matte, stippled or mottled glazes and in crevices formed by units body texture.
- Opacity: Discoloration from the body should not be visible through the glaze, when so specified. Consult manufacturer on clear or custom glazes.
- Resistance to Fading: The color of the glaze will not change when subjected to chemical resistance tests.
- Chemical Resistance: The color and texture of the glaze will not change when subjected to the hydrochloric and potassium hydroxide chemical resistance tests.
- Resistance to Crazing: The glaze will not craze, spall or crack when subjected to one cycle of autoclaving in the crazing test.
- Flame Spread, Fuel Contribution and Smoke Density: Rated zero in all categories when tested in accordance with ASTM E-84 (equivalent UL 723). No toxic fumes.
- Hardness and Abrasion Resistance: Glaze must resist scratching by steel or ordinary glass and be rated above 5 on the Mohs Hardness Scale. Abrasion tested under Wear Index Method No. 6192 (Federal Standard Test No. 141).
2. MANUFACTURER
Elgin Butler Company
365 FM 696 | Elgin, TX 78621-5034 | p (512) 285-3356 | f (512) 281-2487
www.elginbutler.com

3. DESCRIPTION

Unit Description: Glazed Brick are extruded clay, ceramic glazed masonry units for wall applications. Used as structural walls, partition walls, multi-wythe-walls or veneers. The ceramic finish is available in many colors. Offering a durable permanent wall system that has an impervious ceramic glazed face with a high abuse tolerance against fading, impact, abrasion and graffiti.

Sizes*:

<table>
<thead>
<tr>
<th>Nominal Face Size</th>
<th>Unit Name</th>
<th>Actual Face Size</th>
<th>Nominal Bed Option Single Face</th>
</tr>
</thead>
<tbody>
<tr>
<td>4S Series</td>
<td>Modular</td>
<td>2-1/4&quot; x 7-5/8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>SS Series</td>
<td>Standard</td>
<td>2-1/4&quot; x 8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>BS Series</td>
<td>Norman</td>
<td>2-1/4&quot; x 11-5/8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>SJ Series</td>
<td>King Size</td>
<td>2-5/8&quot; x 9-5/8&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>JX Series</td>
<td>Jumbo</td>
<td>2-3/4&quot; x 8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>EN-4P Series</td>
<td>Closure Modular</td>
<td>3-5/8&quot; x 7-5/8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>EN-6P Series</td>
<td>Utility</td>
<td>3-5/8&quot; x 11-5/8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>4W Series</td>
<td>B Square</td>
<td>7-5/8&quot; x 7-5/8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>6Y Series</td>
<td>12 Square</td>
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* Common sizes listed. Other sizes available, contact manufacturer.

Shapes: Standard stretchers, starters, jambs, sills, lintels, and miters. Bullnose or square edges. Architectural Trim Units and special shapes available.

Finishes and Colors: Standard, non-standard and custom colors available from Elgin Butler’s library of colors. Gloss, satin, matte, mottled, and ultra matte glazes. Contact manufacturer for samples in color scheme desired. Request production run samples for final color approval.

Classification: ASTM C-1405
- Grade S (Standard sized).
- Type I & II (Single-Faced and/or Two-Faced Units).
- Class Exterior (or Interior).
- Division as either: Solid (void area less than or equal to 25%), or H40V (void area greater than 25% but less than or equal to 40%), or H60V (void area greater than 40% but less than or equal to 60%). Sized for 3/8" (10mm) mortar joints. (Contact manufacturer for availability of Division specification available in each size.).

Limitations: Acid resistant to most alkalis and acids except hydrofluoric. Use cavity wall construction for exterior (see method).

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