

1. Product

Glazed Brick

2. Manufacturer

Pacific Clay Products, Inc., 14741 Lake Street, Lake Elsinore, CA 92530
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3. Description

Unit Description: Glazed Brick are extruded or pressed clay, ceramic glazed masonry units for wall applications. Used as structural walls and veneer. The ceramic finish is available in many colors.

The manufacturing process is a dual firing process. Using the already fired brick and brick veneer to glaze and re-fire at a temperature > 1800 F.

4. Sizes

Stock: Modular veneer, 7 5/8" * 2 1/4" * 3/4", with a velour texture is in stock in many standard colors.

Other: All other brick and veneer sizes of the regular Pacific Clay program.

Custom Shapes: Stretchers, starters, jambs, sills, lintels, miters, bullnose or square edges. Architectural Trim Units and decorative accent pieces are available.

5. Finishes:

Velour, die/skin (smooth), Diablo, raked etc.

6. Colors:

Standard, non-standard and custom colors are available. Gloss, satin or matte glazes. All colors show a range by design. Color swatches and sample pieces are only indicative for the color range. Field panels are providing a more accurate indication of the range in saturation and hue. Production run samples are provided for final approval of the color range.

7. Standard:

"**Gran Brique Ambiance**" series is designed for high fashion and outstanding aesthetic purposes. The products may meet none, some or all of the following physical and chemical properties.

"**Gran Brique**" series are full size bricks, manufactured according to ASTM C216 and brick veneer according to ASTM C1088. The glazes are applied in a 2nd firing cycle meeting ASTM C1405 Section 7 and 8

a. Physical Properties:

- i.** 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.
- ii. Compressive Strength:** Glazed Brick is a structural clay masonry unit. These brick meet or exceed the minimum compressive strength requirements, in most cases many times over.

b. **Properties of Finish (Glaze):**

Minimum standards for the ceramic glazed finish substantiating durability, building safety and lifetime low maintenance.

- i. **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 and distressed surfaces and in crevices formed by units body texture.
- ii. **Opacity:** Discoloration from the body should not be visible through the glaze, when so specified. Consult manufacturer on clear or custom glazes.
- iii. **Resistance to Fading:** The color of the glaze will not change when subjected to chemical resistance tests.
- iv. **Chemical Resistance:** The color and texture of the glaze will not change when subjected to the hydrochloric and potassium hydroxide chemical resistance tests.
- v. **Resistance to Cracking:** The glaze will not craze, spall or crack when subjected to one cycle of autoclaving in the crazing test.
- vi. **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.
- vii. **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). Not all glazes will meet this criterion. Consult Manufacturer.

c. **Coefficient of Thermal Expansion:**

Glazed Bricks are like all clay or shale products subject to thermal expansion. Design and the installation method have to allow for thermal expansion. Rule of thumb: 100 ft wall at 100 F temperature difference expands ½”.

d. **Coefficient of Moisture Expansion:**

Design and installation method have to allow for thermal expansion. The coefficient of moisture expansion is approximately 0.0065 in./in. or less. Rule of thumb: 100 ft wall should allow ¾” expansion.

8. Installation

Preparation: In preparation for the proper installation of Glazed Brick the mason contractor should be familiar with the recommendations and

requirements of the Brick Industry Association (BIA) and the recommendations of the Ceramic Glazed Masonry Institute.

9. Maintenance

Occasional cleaning can be done with soap and water in areas as needed. Power sprayers may be used, however, take care not to damage the mortar joints. For graffiti, use paint thinner or a detergent product to remove the paint/marker etc. Always be careful not to etch or stain the mortar joints. Contact the manufacturer of brick cleaning products for recommendations.

10. Warranty

Pacific Clay Products, Inc. will certify that its products, with the exemption for "Gran Brique * Ambiance" series, meet the standards set forth by ASTM C216, ASTM C1088 and ASTM C-1405 respectively 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.