

## 1. Manufacturer

### Old Mill Building Products

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## 2. Product Description

### Basic Use

Thin clay brick units are for use in adhered masonry construction for both interior and exterior applications. For residential, commercial and institutional applications.

### Composition & Materials

Thin brick units are manufactured from clay, shale or similar naturally occurring earthy substances and subjected to a heat treatment at elevated temperatures (firing), creating a bond between the particulate constituents resulting in a severe-weathering brick with one or more finished faces. Custom shapes and sizes are available. The units are saw cut to approximately 1/2" thickness after firing.

### Shapes & Sizes

Thin brick units are available in a modular face size of 2-1/4" (height) x 7-5/8" (length). Weight of all thin brick products does not exceed 15 psf.

Thin brick units are available in standard stretcher (flat) and as cut corner shapes.

### Tolerances

Thin brick is manufactured to meet the tolerances of ASTM C 1088 TBX, TBS, and TBA as applicable.

Thin brick are inspected to be sound and free of cracks, blemishes or other defects that would either affect the serviceability or strength of the unit, or become exposed once installed and visible when viewed from a distance of not less than 20 ft. under diffused light.

### Colors & Finishes

Colors for each of the thin brick are available from your sales representative. Colors vary by plant location.

As a manufactured material, products are monitored for color consistency. Slight variations between batches may occur and it is recommended that the installer mix units from different skids during installation.

User should review samples prior to selecting a particular color and finish.



## 3. Limitations & Disclaimers

Manufactured masonry products are generally intended for above grade installations. Manufactured masonry units, regardless of their composition, are inherently absorptive, and as such, are not intended for use below grade. Units installed below grade will wick moisture from the soil that is in contact with the masonry units effectively creating a condition known as "rising damp" in the masonry veneer.

Standard brick units are not intended to be used as pavers. Old Mill Building Products offers paving brick in a variety of colors for light traffic paving installations.

In colder climates, masonry walls at grade may also become exposed to de-

icing compounds. As with other types of manufactured masonry units, clay brick masonry units should not be installed where they will be directly exposed to de-icing compounds used to melt snow and ice from pavements. For further information with regard to installing masonry at or below grade refer to the "At Grade Design Ideas" brochure.

The function of caps and copings is to prevent moisture from entering the building envelope through the top of the wall. As most manufactured masonry units are produced in relatively short lengths, if they are used as a cap or coping material more mortar joints are required. These horizontal mortar joints are the most likely entry point for moisture to infiltrate the building envelope. As such, it is generally recommended within the industry to install proper flashing below all caps and copings or to use longer components such as quarried stone or metal parapet caps to reduce the number of joints thereby limiting the areas that may allow moisture infiltration of the building envelope.

## 4. Technical Data

### Applicable Standards

Required properties for thin brick units are described in ASTM C 1088 Standard Specification for Thin Veneer Brick Units Made From Clay or Shale.

These standards classify clay and shale products as either moderate-weathering or severe-weathering depending on the material's tested physical properties of compressive strength and 24-hour absorption.

Old Mill Building Products meet and exceed the requirements necessary to comply with the severe-weathering classification. They have been extensively tested using standardized test methods found in ASTM C 67 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile. Test reports are available upon request.

## 5. Installation

**DELIVERY** - Old Mill Brick products are delivered to the site in protective packaging.

**HANDLING** - Lift skids with proper and sufficiently long slings or forks with protection to prevent damage to units. Protect edges and corners.

**STORAGE** - Store Old Mill Brick products in a manner designed to prevent damage and staining of units. Stack units on timbers or platforms at least 3" above grade. Place polyethylene or other plastic film between wood and other finished surfaces of units when stored for extended periods of time. Stored units should be covered if exposed to extreme weather conditions.

### Installation

Construct adhered masonry veneer in accordance with ACI 530-05/ASCE 5-05/TMS 402-05, Building Code Requirements for Masonry Structures in the United States, and any local requirements stipulated by the authorities having jurisdiction.

Old Mill Brick products must be connected to a structural substrate with an approved masonry connection system, designed by the consultant for each specific installation.

## 6. Availability & Cost

**AVAILABILITY** - Old Mill Building Products are available throughout the continental United States.

Delivery times for orders will vary based on the complexity of what is required.

Old Mill Building Products cannot be responsible for delays due to fire, acts of God, or any other cause beyond its control or which could not be reasonably foreseen.

**COST** - Quoted on a project basis for job-specific manufacturing to project requirements.

## 7. Maintenance

Old Mill Brick products should have excess mortar removed from their faces by brushing as they are placed within the wall at the point of tooling.

Clean Old Mill Brick products in accordance with the cleaning guidelines in BIA Technical Bulletin Brick Cleaning Information. Various masonry detergents and cleaning systems can change the color of masonry products. Acid-based cleaning agents will darken the color of the masonry units.

Always pre-test cleaning agents and methods on the job-site mock-up panel or a small inconspicuous area of the wall. The Consultant and/or Owner should approve the test area prior to the start of full-scale cleaning operations.

Old Mill Building Products does not recommend the application of water repellent or graffiti-proofing sealers to its masonry products.

## 8. Related References

Old Mill Building Products distributes an integrated technical information system, comprised of the following components:

- Sample detail drawings which are available in .pdf format.
- Architectural Catalog Shape drawings,
- BIA Technical Notes.