



Standard Specification for Thin Veneer Brick Units Made From Clay or Shale¹

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1. Scope*

1.1 This specification covers thin veneer brick units made from clay, shale, fire clay, sand, or mixtures thereof, and fired to incipient fusion for use in adhered or fastened veneer applications. Three types of thin veneer brick units in each of two grades are covered. In this specification, the term thin veneer brick shall be understood to mean clay masonry unit with a maximum thickness of $1\frac{3}{4}$ in. (44.45 mm).

NOTE 1—Brick intended for paving should be specified under Specification C902.

1.2 The property requirements of this specification apply at the time of purchase. The use of results from testing of brick extracted from masonry structures for determining conformance or nonconformance to the property requirements (Section 6) of this specification is beyond the scope of this specification.

1.3 Brick covered by this specification are manufactured from clay, shale, or similar naturally occurring substances and subjected to a heat treatment at elevated temperatures (firing). The heat treatment must develop sufficient fired bond between the particulate constituents to provide the strength and durability requirements of the specification. (See “firing” and “fired bond” in Terminology C1232.)

1.4 The text of this specification references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

1.5 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

¹ This specification is under the jurisdiction of ASTM Committee C15 on Manufactured Masonry Units and is the direct responsibility of Subcommittee C15.02 on Brick and Structural Clay Tile.

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2. Referenced Documents

2.1 ASTM Standards:²

- C67 Test Methods for Sampling and Testing Brick and Structural Clay Tile
- C902 Specification for Pedestrian and Light Traffic Paving Brick
- C1232 Terminology of Masonry

3. Terminology

3.1 *Definitions*—For definitions relating to thin veneer brick, refer to Terminology C1232.

4. Classification

4.1 Two grades of thin veneer brick units are covered for exposure conditions to weather and are defined in Table 1 as Interior and Exterior.

4.2 Three types of thin veneer brick units are covered as follows:

4.2.1 *Type TBS (Standard)*—Thin veneer brick for general use in masonry.

4.2.2 *Type TBX (Select)*—Thin veneer brick for general use in masonry where a higher degree of precision and lower permissible variation in size than permitted for Type TBS is required.

4.2.3 *Type TBA (Architectural)*—Thin veneer brick for general use in masonry selected to produce characteristic architectural effects resulting from nonuniformity in size and texture of the individual units.

4.3 When the type is not specified, the requirements for Type TBS will govern.

5. Materials and Manufacture

5.1 Units shall not show surface defects and deficiencies, nor effects of surface treatments including coating in the

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.