



Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units¹

This standard is issued under the fixed designation C126; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope*

1.1 This specification covers structural clay load-bearing facing tile and facing brick and other “solid masonry units” made from clay, shale, fire-clay, or mixtures thereof, with or without the addition of grog or other mixtures, having a finish consisting of a ceramic glaze fused to the body at above 1500°F (655°C) making them inseparable, excluding natural salt-glazed ware. Two grades, based on permissible variation in face dimensions, and two types are covered, as follows:

1.1.1 *Grade S (select)*, for use with comparatively narrow mortar joints.

1.1.2 *Grade SS (select sized or ground edge)*, for use where variation of face dimension must be very small.

1.1.3 *Type I (single-faced units)*, for general use where only one finished face will be exposed.

1.1.4 *Type II (two-faced units)*, for use where two opposite finished faces will be exposed.

1.2 The property requirements of this specification apply at the time of purchase. The use of results from testing of brick and tile extracted from masonry structures for determining conformance or nonconformance to the property requirements (Section 5) of this standard is beyond the scope of this specification.

1.3 Brick and tile 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 requirements of this specification. (See firing and fired bond in Terminology C1232.)

1.4 The text of this standard 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 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.

Current edition approved June 1, 2016. Published July 2016. Originally approved in 1936. Last previous edition approved in 2015 as C126 – 15. DOI: 10.1520/C0126-16.

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.

1.6 The following precautionary caveat pertains only to the test portion (Section 11.2) of this specification. *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards*:²

C67 Test Methods for Sampling and Testing Brick and Structural Clay Tile

C1232 Terminology of Masonry

E84 Test Method for Surface Burning Characteristics of Building Materials

E2105 Practice for General Techniques of Thermogravimetric Analysis (TGA) Coupled With Infrared Analysis (TGA/IR)

2.2 *National Fire Protection Association Standard*:³

NFPA No. 255 Test for Surface Burning Characteristics of Building Materials

2.3 *Underwriters Laboratories, Inc. Standard*:⁴

UL No. 723 Flammability Studies of Cellular Plastics and other Building Materials used for Interior Finishes

3. Terminology

3.1 *Definitions*—For definitions relating to ceramic glazed structural clay facing tile, facing brick, and solid masonry units, refer to Terminology C1232.

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.

³ Available from National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02169-7471, <http://www.nfpa.org>.

⁴ Available from Underwriters Laboratories (UL), 333 Pfingsten Rd., Northbrook, IL 60062-2096, <http://www.ul.com>.