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American Association State Highway and Transportation
Officials Standard
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Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile¹

This standard is issued under the fixed designation C67; 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 These test methods cover procedures for the sampling and testing of brick and structural clay tile. Although not necessarily applicable to all types of units, tests include modulus of rupture, compressive strength, absorption, saturation coefficient, effect of freezing and thawing, efflorescence, initial rate of absorption and determination of weight, size, warpage, length change, and void area. (Additional methods of test pertinent to ceramic glazes include imperviousness, chemical resistance, opacity, and resistance to crazing.

1.2 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.

NOTE 1—The testing laboratory performing this test method should be evaluated in accordance with Practice C1093.

1.3 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.

1.4 These test methods include the following sections:

Section Heading	Section
Scope	1
Referenced Documents	2
Terminology	3
Sampling	4
Specimen Preparation	5
Modulus of Rupture (Flexure Test)	6
Compressive Strength	7
Absorption	8
Freezing and Thawing	9
Initial Rate of Absorption (Suction) (Laboratory Test)	10
Efflorescence	11
Weight Per Unit Area	12
Measurement of Size	13
Measurement of Warpage	14

¹ These test methods are under the jurisdiction of 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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Section Heading	Section
Measurement of Length Change	15
Initial Rate of Absorption (Suction) (Field Test)	16
Measurement of Void Area in Cored Units	17
Measurement of Void Area in Deep Froged Units	18
Measurement of Out of Square	19
Measurement of Shell and Web Thickness	20
Breaking Load	21
Imperviousness Test (of Ceramic Glazes)	22
Chemical Resistance Test (of Ceramic Glazes)	23
Autoclaved Crazing Test (of Ceramic Glazes)	24
Opacity Test (of Ceramic Glazes)	25
Precision and Bias	26
Keywords	27
Safety Precautions for Autoclave Equipment and Operation	Appendix X1

1.5 *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.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

- 2.1 *ASTM Standards:*²
- C150 Specification for Portland Cement
 - C1093 Practice for Accreditation of Testing Agencies for Masonry
 - C1232 Terminology of Masonry
 - E4 Practices for Force Verification of Testing Machines
 - E6 Terminology Relating to Methods of Mechanical Testing
 - E177 Practice for Use of the Terms Precision and Bias in ASTM Test Methods
 - E691 Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method

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.

*A Summary of Changes section appears at the end of this standard