



Standard Practice for Accreditation of Testing Agencies for Masonry¹

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^{ε1} NOTE—Editorially corrected 7.2 in July 2016.

1. Scope*

1.1 This practice covers the minimum requirements for laboratory personnel, for establishing and maintaining a quality system, and it establishes minimum qualifications for agencies engaged in the testing of masonry materials.

1.2 Criteria are provided for evaluating the capability of an agency to properly perform designated tests on masonry materials, and for establishing guidelines pertaining to an agency's organization, personnel, facilities, and quality system. This practice may be supplemented by more specific criteria and requirements for particular projects.

1.3 This practice can be used as a basis to evaluate testing agencies, and it is intended for use for the qualifying or accrediting of testing agencies, or both, public or private, engaged in the testing of masonry materials.

1.4 *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
- C109/C109M Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- C117 Test Method for Materials Finer than 75-μm (No. 200) Sieve in Mineral Aggregates by Washing
- C136 Test Method for Sieve Analysis of Fine and Coarse Aggregates
- C140 Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
- C143/C143M Test Method for Slump of Hydraulic-Cement Concrete
- C173/C173M Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method
- C185 Test Method for Air Content of Hydraulic Cement Mortar
- C230/C230M Specification for Flow Table for Use in Tests of Hydraulic Cement
- C231 Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
- C270 Specification for Mortar for Unit Masonry
- C305 Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency
- C470/C470M Specification for Molds for Forming Concrete Test Cylinders Vertically
- C780 Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
- C1072 Test Methods for Measurement of Masonry Flexural Bond Strength
- C1232 Terminology of Masonry
- C1506 Test Method for Water Retention of Hydraulic Cement-Based Mortars and Plasters
- E4 Practices for Force Verification of Testing Machines
- E11 Specification for Woven Wire Test Sieve Cloth and Test Sieves

¹ This practice is under the jurisdiction of ASTM Committee C15 on Manufactured Masonry Units and is the direct responsibility of Subcommittee C15.07 on Standards for Laboratory Accreditation.

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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. Terminology

3.1 Definitions:

3.1.1 *quality system*—the organizational structure, responsibilities, procedures, processes, capabilities, and resources for implementing quality management.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *agency*—the organization engaged to test masonry materials as required by a specification or contract.

3.2.2 *quality system manual (QSM)*—a manual describing and documenting an agency's quality system.

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