



Designation: ~~C1195~~—~~18~~ **C1195 – 19**

Standard Test Method for Absorption of Architectural Cast Stone¹

This standard is issued under the fixed designation C1195; 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.

1. Scope

1.1 This test method covers the ~~sampling, sampling and preparation of specimens, and determination of specimens for determining~~ the absorption value of architectural cast stone.

~~1.2 This test method describes two procedures: (1) cold water and (2) boiling water. The user of the test method should stipulate which is desired. If no stipulation is made, the cold water procedure will be used.~~

1.2 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.

1.3 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *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

C642 Test Method for Density, Absorption, and Voids in Hardened Concrete

3. Terminology

3.1 *Definitions:*

3.1.1 *cast stone*—an architectural precast concrete building unit intended to simulate natural cut stone.

4. Significance and Use

4.1 This test method is to be used in determining the absorption value of cast stone. Absorption is one measure of porosity of cast stone and, hence, its resistance to weathering and structural stress.

5. Sampling

5.1 Select the sample to represent the cast stone under consideration. The sample may be randomly selected by the purchaser or his authorized representative from each 500 ft³ (14 m³) of cast stone. Select a sample of adequate size to permit the preparation of three absorption test specimens.

6. Test Specimens

6.1 For absorption tests ~~take testing, saw cut~~ three specimens from the sample. ~~Cut specimens from the finished surface of the sample to consist of one surface. Each specimen shall have one finished surface intended to be exposed to view and five saw-cut surfaces, except that for surfaces.~~ For faced cast stone, cut the specimens through the faced surface to consist of approximately equal parts of the facing material and the backup material.

¹ This test method is under the jurisdiction of ASTM Committee C27 on Precast Concrete Products and is the direct responsibility of Subcommittee C27.20 on Architectural and Structural Products.

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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.