



Designation: C1364 – 17

Standard Specification for Architectural Cast Stone¹

This standard is issued under the fixed designation C1364; 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 specification includes the physical properties, sampling, testing, tolerance, and appearance requirements for architectural cast stone.

1.2 Cast stone units covered under this specification include both wet cast and vibratory dry tamp products. Production methods of cast stone can vary among manufacturers; many production methods are acceptable provided the delivered cast stone meets the requirements of this specification.

1.3 Surface textures, finish, color, special applications, or other features shall be specified by the purchaser. Slump, manufacturing method, and apparatus shall be selected by the manufacturer and not specified by the purchaser.

1.4 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.

1.5 *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, health and environmental 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

A615/A615M Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement

¹ This specification 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.

- C33/C33M** Specification for Concrete Aggregates
- C150/C150M** Specification for Portland Cement
- C173/C173M** Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method
- C231/C231M** Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
- C260/C260M** Specification for Air-Entraining Admixtures for Concrete
- C426** Test Method for Linear Drying Shrinkage of Concrete Masonry Units
- C494/C494M** Specification for Chemical Admixtures for Concrete
- C595/C595M** Specification for Blended Hydraulic Cements
- C618** Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
- C666/C666M** Test Method for Resistance of Concrete to Rapid Freezing and Thawing
- C979/C979M** Specification for Pigments for Integrally Colored Concrete
- C989/C989M** Specification for Slag Cement for Use in Concrete and Mortars
- C1157/C1157M** Performance Specification for Hydraulic Cement
- C1194** Test Method for Compressive Strength of Architectural Cast Stone
- C1195** Test Method for Absorption of Architectural Cast Stone
- D1729** Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials
- D2244** Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates

2.2 ACI Standards:

318 Building Code Requirements for Reinforced Concrete³

3. Terminology

3.1 Definitions:

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

³ Available from American Concrete Institute (ACI), 38800 Country Club Dr., Farmington Hills, MI 48331-3439, <http://www.concrete.org>.