



Designation: C936/C936M – 11

Standard Specification for Solid Concrete Interlocking Paving Units¹

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1. Scope*

1.1 This specification covers the requirements for interlocking concrete pavers manufactured for the construction of paved surfaces.

1.2 When particular features are desired, such as weight classification, higher compressive strength, surface textures, finish, color, or other special features, such properties should be specified by the purchaser. Local sellers, however, should be consulted as to availability of units having the desired features.

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

2. Referenced Documents

2.1 *ASTM Standards*:²

- C33 Specification for Concrete Aggregates
- C140 Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
- C150 Specification for Portland Cement
- C207 Specification for Hydrated Lime for Masonry Purposes
- C260 Specification for Air-Entraining Admixtures for Concrete
- C331 Specification for Lightweight Aggregates for Concrete Masonry Units
- C418 Test Method for Abrasion Resistance of Concrete by Sandblasting
- C494/C494M Specification for Chemical Admixtures for Concrete
- C595 Specification for Blended Hydraulic Cements

¹ This specification is under the jurisdiction of ASTM Committee C15 on Manufactured Masonry Units and is the direct responsibility of Subcommittee C15.03 on Concrete Masonry Units and Related Units.

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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.

- C618 Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
- C979 Specification for Pigments for Integrally Colored Concrete
- C989 Specification for Slag Cement for Use in Concrete and Mortars
- C1157 Performance Specification for Hydraulic Cement
- C1240 Specification for Silica Fume Used in Cementitious Mixtures
- C1645 Test Method for Freeze-thaw and De-icing Salt Durability of Solid Concrete Interlocking Paving Units

3. Terminology

3.1 *Definitions*:

3.1.1 *architectural finishes*—surface modified by mechanical means such as blasting, hammering, polishing, tumbling, washing, or other methods.

4. Materials

4.1 *Cementitious Materials* shall conform to the following applicable ASTM specifications:

- 4.1.1 *Portland Cements*—Specification C150.
- 4.1.2 *Blended Cements*—Specification C595, Types IS or IP.
- 4.1.3 *Hydraulic Cement*—Specification C1157.
- 4.1.4 *Hydrated Lime, Type S*—Specification C207.
- 4.1.5 *Fly Ash*—Specification C618.
- 4.1.6 *Ground Slag*—Specification C989.
- 4.1.7 *Silica Fume*—Specification C1240.

4.2 *Aggregates* shall conform to the following ASTM specifications, except that grading requirements shall not necessarily apply:

- 4.2.1 *Normal Weight*—Specification C33.
- 4.2.2 *Lightweight*—Specification C331.

4.3 *Chemical Admixtures* shall conform to the following applicable ASTM specifications:

- 4.3.1 *Air-entraining Admixtures*—Specification C260.
- 4.3.2 *Water-reducing, Retarding, and Accelerating Admixtures*—Specification C494/C494M.
- 4.3.3 *Pigments for Integrally Colored Concrete*—Specification C979.

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