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Designation: C 1328 – 03

Standard Specification for Plastic (Stucco) Cement[1]

This standard is issued under the fixed designation C 1328; 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 covers two types of plastic cement for use in portland cement-based plasters for exterior (stucco) and interior application.

1.2 The values stated in SI units are to be regarded as the standard. Values in SI units shall be obtained by measurement in SI units or by appropriate conversion, using the Rules for Conversion and Rounding given in IEEE/ASTM SI 10, of measurements made in other units.

1.3 The text of this standard refers to notes and footnotes that provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

1.4 The following safety hazards caveat pertains only to Sections 15 and 16. *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.* (**Warning—**Fresh hydraulic cementitious mixtures are caustic and may cause chemical burns to skin and tissue upon prolonged exposure.)[2]

2. Referenced Documents

2.1 *ASTM Standards:*

C 91 Specification for Masonry Cement[3]

C 109/C 109M Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)[3]

C 151 Test Method for Autoclave Expansion of Portland Cement[3]

C 183 Practice for Sampling and the Amount of Testing of Hydraulic Cement[3]

C 185 Test Method for Air Content of Hydraulic Cement Mortar[3]

C 187 Test Method for Normal Consistency of Hydraulic Cement[3]

C 188 Test Method for Density of Hydraulic Cement[3]

C 219 Terminology Relating to Hydraulic Cement[3]

C 230/C 230M Specification for Flow Table for Use in Tests of Hydraulic Cement[3]

C 266 Test Method for Time of Setting of Hydraulic-Cement Paste by Gillmore Needles[3]

C 305 Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency[3]

C 430 Test Method for Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve[3]

C 511 Specification for Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes[3]

C 778 Specification for Standard Sand[3]

C 926 Specification for Application of Portland Cement-Based Plaster[3]

C 1506 Test Method for Water Retention of Hydraulic Cement-Based Mortars and Plasters[3]

IEEE/ASTM SI 10 Standard for Use of the International System of Units (SI) (the Modernized Metric System)[4]

3. Terminology

3.1 *Definitions*—Terms used in this specification are defined in Terminology C 219 and Specification C 926.

3.2 *Definition of Term Specific to This Standard:*

3.2.1 *plastic cement*—a hydraulic cement, primarily used in portland cement-based plastering construction, consisting of a mixture of portland or blended hydraulic cement and plasticizing materials (such as limestone or hydrated or hydraulic lime), together with other materials introduced to enhance one or more properties such as setting time, workability, water retention, and durability.

3.2.1.1 *Discussion*—The term "plastic" does not refer to the inclusion of one or more organic components in the cement. The cement is predominantly inorganic in chemical composition. The term "plastic" refers to the ability of the cement to impart to the plaster a high degree of workability, and for the plaster to remain workable or plastic for a period of time so

[1] This specification is under the jurisdiction of ASTM Committee C01 on Cement and is the direct responsibility of Subcommittee C01.11 on Masonry Cement.

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[2] *Annual Book of ASTM Standards*, Vol 04.01. See the section on Safety Precautions in the Manual of Cement Testing.

[3] *Annual Book of ASTM Standards*, Vol 04.01.

[4] *Annual Book of ASTM Standards*, Vol 14.04.

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