



Designation: ~~C1707~~—~~11~~ C1707 – 18

Standard Specification for Pozzolanic Hydraulic Lime for Structural Purposes¹

This standard is issued under the fixed designation C1707; 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 standard covers four types of pozzolanic hydraulic lime for structural purposes which include use in mortar, scratch, brown, and finish (stucco) coats of interior or exterior plaster.

1.1.1 *PHL*—Pozzolanic hydraulic lime for use in mortar, scratch, brown, and finish (stucco) coats of interior or exterior plaster.

1.1.2 *PHL_c*—PHL with a maximum 20 % binder weight of hydraulic cement.

1.1.3 *PHL-A*—Air-entrained PHL.

1.1.4 *PHL_c-A*—Air-entrained *PHL_c*.

1.2 The values stated in SI units are to be regarded as standard.

1.3 This specification classifies pozzolanic hydraulic lime by minimum hydrated lime content, maximum hydraulic cement content, and specific performance requirements.

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

1.5 *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

~~C25~~ C25 Test Methods for Chemical Analysis of Limestone, Quicklime, and Hydrated Lime

~~E50~~~~C50~~~~C50M~~ Practice for Sampling, Sample Preparation, Packaging, and Marking of Lime and Limestone Products

~~C51~~ Terminology Relating to Lime and Limestone (as used by the Industry)

~~C109~~~~C109M~~ Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)

~~C110~~ Test Methods for Physical Testing of Quicklime, Hydrated Lime, and Limestone

~~C114~~ Test Methods for Chemical Analysis of Hydraulic Cement

~~E150~~~~C150~~~~C150M~~ Specification for Portland Cement

~~C207~~ Specification for Hydrated Lime for Masonry Purposes

~~C266~~ Test Method for Time of Setting of Hydraulic-Cement Paste by Gillmore Needles

~~C270~~ Specification for Mortar for Unit Masonry

~~C305~~ Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency

~~C511~~ Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes

~~E595~~~~C595~~~~C595M~~ Specification for Blended Hydraulic Cements

~~C778~~ Specification for Standard Sand

~~E1157~~~~C1157~~~~C1157M~~ Performance Specification for Hydraulic Cement

¹ This test method is under the jurisdiction of ASTM Committee C07 on Lime and Limestone and is the direct responsibility of Subcommittee C07.02 on Specifications and Guidelines.

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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.