Designation: C206 – 03(Reapproved 2009)

Standard Specification for Finishing Hydrated Lime[1]

This standard is issued under the fixed designation C206; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers two types of finishing hydrated lime that are suitable for use in the scratch, brown, and finish coats of plaster, for stucco, for mortar, and as an addition to portland-cement concrete. The two types of lime sold under this specification shall be designated as follows:

1.1.1 *Type N*—Normal hydrated lime for finishing purposes, and

1.1.2 *Type S*—Special hydrated lime for finishing purposes.

NOTE 1—Type N, normal finishing hydrated lime, is differentiated from Type S, special finishing hydrated lime, in that no limitation on the amount of unhydrated oxides is specified for Type N hydrate, and the plasticity requirement for Type N hydrate shall be determined after soaking for 16 to 24 h.

NOTE 2—For lime putty, refer to Specification C1489.

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.

2. Referenced Documents

2.1 *ASTM Standards:*[2]

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

C50 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)

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

C842 Specification for Application of Interior Gypsum Plaster

C1489 Specification for Lime Putty for Structural Purposes

3. Terminology

3.1 *Definitions*—For definitions of terms relating to hydrated lime, refer to Terminology C51.

4. Chemical Composition

4.1 Hydrated lime for finishing purposes shall conform to the following requirements as to chemical composition:

	Type N	Type S
Calcium and magnesium oxides (nonvolatile basis), min, %	95	95
Carbon dioxide (as-received basis), max, %		
If sample is taken at the place of manufacture	5	5
If sample is taken at any other place	7	7
Unhydrated oxides (as-received basis), max, %	...	8

5. Residue

5.1 The percentage residue of finishing hydrated lime shall conform to the following requirements:

Residue retained on No. 30 (600-μm) sieve, max, %	0.5
Residue retained on No. 200 (75-μm) sieve, max, %	15

6. Popping and Pitting

6.1 Finishing hydrated lime shall show no pops or pits when tested in accordance with the method prescribed in 10.1.2.

7. Plasticity

7.1 The putty made from Type N, normal finishing hydrated lime, shall have a plasticity figure of not less than 200 when soaked for a period of not less than 16 h nor more than 24 h.

7.2 The putty made from Type S, special finishing hydrated lime, shall have a plasticity figure of not less than 200 when tested commencing within 30 min after mixing with water.

8. Application of Interior Gypsum Plaster

8.1 For recommended application procedures refer to Specification C842.

9. Sampling, Inspection, etc.

9.1 The sampling, inspection, rejection, retesting, packing, and marking shall be conducted in accordance with Methods C50.

[1] This specification is under the jurisdiction of ASTM Committee C07 on Lime 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.