



Designation: ~~C5-79~~(Reapproved 1997) Designation: C 5 – 03

## Standard Specification for Quicklime for Structural Purposes<sup>1</sup>

This standard is issued under the fixed designation C 5; 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 ( $\epsilon$ ) 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 all classes of quicklime such as crushed lime, granular lime, ground lime, lump lime, pebble lime, and pulverized lime, used for structural purposes.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

C 25 [Test Methods for Chemical Analysis of Limestone, Quicklime, and Hydrated Lime<sup>2</sup>](#)

C 50 [Practice for Sampling, Inspection, Packing, and Marking of Lime and Limestone Products<sup>2</sup>](#)

C 51 [Terminology Relating to Lime and Limestone \(As Used by the Industry\)<sup>2</sup>](#)

C 110 [Test Methods for Physical Testing of Quicklime, Hydrated Lime, and Limestone<sup>2</sup>](#)

C 1489 [Specification of Lime Putty for Structural Purposes<sup>2</sup>](#)

E 11 [Specification for Wire-Cloth Sieves for Testing Purposes<sup>3</sup>](#)

### 3. Terminology

3.1 *Definitions*—Unless otherwise specified, for definitions of terms used in this standard, refer to Terminology C 51.

### 4. Chemical Composition

4.1 The quicklime shall conform to the following requirements as to chemical composition, calculated on a nonvolatile basis:

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<sup>1</sup> This specification is under the jurisdiction of ASTM Committee ~~E-7~~C07 on Lime and is the direct responsibility of Subcommittee C07.02 on Structural Lime. Current edition approved Nov. 30, 1979. Published January 1980. Originally published as C5-13T. Last previous edition C5-59 (1974).

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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 04.01.

<sup>3</sup> *Annual Book of ASTM Standards*, Vol 14.02.