



Designation: C 37/C 37M – 01

## Standard Specification for Gypsum Lath<sup>1</sup>

This standard is issued under the fixed designation C 37/C 37M; 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 plain and foil-backed types of gypsum lath which is designed to be used as a base for application of gypsum plaster (see Specification C 28).

NOTE 1—Specification C 841 contains application procedures for interior lathing and furring, and Specification C 842 contains application procedures for interior gypsum plaster.

1.2 The values stated in either inch-pound or SI (metric) units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system shall be used independent of the other. Values from the two systems shall not be combined.

1.3 The text of this standard references 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.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

C 11 Terminology Relating to Gypsum and Related Building Materials and Systems<sup>2</sup>

C 28 Specification for Gypsum Plasters<sup>2</sup>

C 473 Test Methods for Physical Testing of Gypsum Panel Products<sup>2</sup>

C 841 Specification for Installation of Interior Lathing and Furring<sup>2</sup>

C 842 Specification for Application of Interior Gypsum Plaster<sup>2</sup>

C 1264 Specification for Sampling, Inspection, Rejection, Certification, Packaging, Marking, Shipping, Handling, and Storage of Gypsum Board<sup>2</sup>

E 96 Test Methods for Water Vapor Transmission of Materials<sup>3</sup>

E 119 Test Methods for Fire Tests of Building Construction and Materials<sup>4</sup>

### 3. Terminology

3.1 Definitions of terms shall be in accordance with Terminology C 11.

### 4. Materials and Manufacture

4.1 Plain gypsum lath shall consist of a noncombustible core, essentially gypsum, surfaced with paper bonded to the core.

4.2 Foil-backed gypsum lath shall consist of plain gypsum lath with a layer of aluminum foil laminated to the back surface.

NOTE 2—Foil-backed gypsum lath shall be installed with the foil surface against the framing members. The foil surface is not adapted to receive or retain plaster.

4.3 Gypsum lath, type X (special fire-resistant) designates gypsum lath complying with this specification that provides not less than 1 h fire-resistance for lath  $\frac{3}{8}$  in. [9.5 mm] thick, applied perpendicular with and on each side of load bearing  $2 \times 4$  wood studs spaced 16 in. [406 mm] o.c. with blue lath nails,  $1\frac{1}{8}$  in. [29 mm] long, 0.092 in. [2.3 mm] diameter shank,  $\frac{19}{64}$  in. [7.5 mm] diameter heads, spaced 5 in. [127 mm] o.c. with lath joints staggered 16 in. [406 mm] on each side of the partition, over which is applied  $\frac{1}{2}$  in. [12.7 mm] of 1:2 gypsum sand plaster, and tested in accordance with the requirements of Test Method E 119.

NOTE 3—Consult producers for independent test data on assembly details and fire resistance classifications for other types of construction. See fire test reports, or listings from recognized fire testing laboratories, for assembly particulars, materials, and classifications.

NOTE 4—The definition of type X as given in 4.3 is intended only as a test to define the gypsum lath as meeting the requirements of type X. This test does not indicate a preferred application nor does it limit the use of the product in other fire rated assemblies.

### 5. Physical Properties

5.1 Specimens shall be taken from the samples obtained in accordance with Specification C 1264.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee C11 on Gypsum and Related Building Materials and Systems and is the direct responsibility of Subcommittee C11.01 on Specifications and Test Methods for Gypsum Products.

Current edition approved May 10, 2001. Published July 2001. Originally published as C 37 – 21 T. Last previous edition C 37 – 99.

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

<sup>3</sup> Annual Book of ASTM Standards, Vol 04.06.

<sup>4</sup> Annual Book of ASTM Standards, Vol 04.07.

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