



# Standard Specification for Application of Interior Gypsum Plaster<sup>1</sup>

This standard is issued under the fixed designation C842; 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.

## 1. Scope

1.1 This specification covers the minimum requirements for full-thickness (in accordance with [Table 1](#)) interior gypsum plastering on gypsum, metal, masonry, or monolithic concrete bases designed or prepared to receive gypsum plaster.

1.1.1 Gypsum plaster applied to the interior side of exterior walls of masonry or concrete shall be isolated from the exterior wall.

1.2 Gypsum plasters shall not be used in exterior locations or interior “wet” areas.

NOTE 1—To secure desirable results, this specification should be coordinated with the provisions of Specification [C841](#). General information concerning full thickness gypsum plastering is contained in [Annex A2](#), [Annex A3](#), and [Annex A4](#).

1.3 Details of construction for a specific assembly to achieve the required fire resistance shall be obtained from reports of fire-resistance tests, engineering evaluations, or listings from recognized fire testing laboratories.

1.4 Details of construction to achieve required sound control shall be obtained from reports of tests conducted at recognized sound testing laboratories in accordance with the applicable sound tests of Test Methods [E90](#), [C423](#), or [E492](#).

1.5 The values stated in inch-pound units are to be regarded as the standard. The SI (metric) values given in parentheses are approximate and are provided for information purposes only.

1.6 The text of this standard references notes and footnotes which 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:<sup>2</sup>

[C5 Specification for Quicklime for Structural Purposes](#)

<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 [C11.03](#) on Specifications for the Application of Gypsum and Other Products in Assemblies.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[C11 Terminology Relating to Gypsum and Related Building Materials and Systems](#)

[C28/C28M Specification for Gypsum Plasters](#)

[C35 Specification for Inorganic Aggregates for Use in Gypsum Plaster](#)

[C59/C59M Specification for Gypsum Casting Plaster and Gypsum Molding Plaster](#)

[C61/C61M Specification for Gypsum Keene's Cement](#)

[C206 Specification for Finishing Hydrated Lime](#)

[C423 Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method](#)

[C631 Specification for Bonding Compounds for Interior Gypsum Plastering](#)

[C841 Specification for Installation of Interior Lathing and Furring](#)

[C1489 Specification for Lime Putty for Structural Purposes](#)

[E90 Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements](#)

[E492 Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine](#)

## 3. Terminology

### 3.1 Definitions:

3.1.1 Definitions shall be in accordance with Terminology [C11](#).

### 3.2 Definitions of Terms Specific to This Standard:

3.2.1 *catfaces, n*—blemishes or rough depressions in the finish coat.

3.2.2 *coat, n*—a thickness or layer of plaster applied over a surface in a single application.

3.2.2.1 *base coat, n*—the sum of the scratch and brown coats or the total coats in place prior to application of finish coats.

3.2.2.2 *brown coat, n*—the second coat of plaster applied in three-coat work.

3.2.2.3 *finish coat, n*—the last coat of plaster applied in either two-coat or three-coat work.

3.2.2.4 *scratch coat, n*—the first coat of plaster applied over a lath or other substrate.

3.2.2.5 *three-coat work, n*—plaster applied in three successive coats, leaving time between coats for setting or drying, or both, of the plaster.