



Standard Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster¹

This standard is issued under the fixed designation C 844; 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 the minimum requirements for, and methods of, application of gypsum veneer base for gypsum veneer plasters.

1.2 Gypsum veneer base shall not be used as a base for direct adhesive application of ceramic, metal, or plastic tile in areas exposed to abnormal moisture or humidity or temperature.

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 Where a specific degree of sound control is required for veneer plaster assemblies and constructions, details of construction shall be in accordance with official reports of tests conducted in recognized sound testing laboratories in accordance with the applicable sound tests, Test Method C 423, Test Method E 90, or Test Method E 492.

1.5 Where this specification is more stringent (size or thickness of framing; spacing of fasteners) than the fire-rated construction, this specification shall govern; otherwise, the construction described in the fire test report shall govern.

1.6 Unheated spaces above gypsum veneer base ceilings shall be properly ventilated (see Appendix X3).

1.7 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.

1.8 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:

C 11 Terminology Relating to Gypsum and Related Building Materials and Systems²

¹ This specification is under the jurisdiction of ASTM Committee C-11 on Gypsum and Related Building Material and Systems, and is the direct responsibility of Subcommittee C11.03 on Specifications for Application of Gypsum and Other Products in Assemblies.

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² *Annual Book of ASTM Standards*, Vol 04.01.

C 423 Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method³

C 514 Specification for Nails for the Application of Gypsum Board²

C 587 Specification for Gypsum Veneer Plaster²

C 588 Specification for Gypsum Base for Veneer Plasters²

C 754 Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products²

C 954 Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.012 in. (2.84 mm) in Thickness²

C 955 Specification for Load-Bearing Transverse and Axial²

C 1002 Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases²

C 1007 Specification for Installation of Load Bearing Transverse and Axial²

C 1047 Specification for Accessories for Gypsum Wall-board and Gypsum Veneer Base²

E 90 Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements³

E 492 Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine³

2.2 *American Softwood Lumber Standard:*

PS-20 American Softwood Lumber Standard⁴

3. Terminology

3.1 *Definitions*—Definitions shall be in accordance with Terminology C 11.

3.2 *Definitions of Terms Specific to this Standard:*

3.2.1 *base ply*—first ply of gypsum base in multiple ply application.

3.2.2 *face ply*—outer or visible layer of gypsum base in multiple ply application.

3.2.3 *fastener, n*—nails, screws, or staples used for the application of the gypsum base or backing board.

³ *Annual Book of ASTM Standards*, Vol 04.06.

⁴ Available from National Institute of Standards and Technology, Gaithersburg, MD 20899.

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