



Designation: **C1766—13 C1766 – 15**

Standard Specification for Factory-Laminated Gypsum Panel Products¹

This standard is issued under the fixed designation C1766; 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 reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

1. Scope

1.1 This specification covers the factory-laminated gypsum panel products designed either for use on walls, ceilings, or partitions as part of a sound control system; or for use as a gypsum stud or gypsum coreboard.

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*²

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

[C473 Test Methods for Physical Testing of Gypsum Panel Products](#)

[C1264 Specification for Sampling, Inspection, Rejection, Certification, Packaging, Marking, Shipping, Handling, and Storage of Gypsum Panel Products](#)

[C1278 Specification for Fiber-Reinforced Gypsum Panel](#)

[C1396 Specification for Gypsum Board](#)

[C1658 Specification for Glass Mat Gypsum Panels](#)

[E84 Test Method for Surface Burning Characteristics of Building Materials](#)

[E119 Test Methods for Fire Tests of Building Construction and Materials](#)

3. Terminology

3.1 Definitions used in this specification shall be in accordance with Terminology [C11](#).

4. Materials and Manufacture

4.1 Factory-laminated gypsum panel products shall be composed of two or more gypsum panel products factory-laminated into a composite panel.

4.1.1 The individual gypsum panel products shall comply with Specification [C1278](#), Specification ~~C1396~~, or Specification [C1658](#).

4.2 Laminating adhesive shall be applied to either one or both of the surfaces being laminated.

4.3 Factory-laminated gypsum panel products shall have a flame spread index of not more than 25 when tested in accordance with Test Method [E84](#).

4.4 Factory-laminated gypsum panel products, type X (Special Fire-Resistant):

4.4.1 Factory-laminated gypsum panel products, type X, designates factory-laminated gypsum panel products complying with this specification that provides not less than 1 h fire-resistance rating for panels $\frac{5}{8}$ in. [15.9 mm] thick or $\frac{3}{4}$ h fire-resistance rating

¹ This test method 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.

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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.