



Designation: C1278/C1278M – 17

Standard Specification for Fiber-Reinforced Gypsum Panel¹

This standard is issued under the fixed designation C1278/C1278M; 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.

1. Scope*

1.1 This specification covers fiber-reinforced gypsum panels described in 1.1.1 – 1.1.4.

1.1.1 *Interior Fiber-Reinforced Gypsum Panels* are designed to be used for walls, ceilings, or partitions and affords a suitable surface to receive decoration.

1.1.2 *Water-Resistant Fiber-Reinforced Gypsum Backing Panels* are designed primarily to be used as a base for the application of ceramic or plastic tile on walls or ceilings. This product is also suitable for decoration.

1.1.3 *Exterior Fiber-Reinforced Gypsum Soffit Panels* are designed for use on exterior soffits and carport ceilings that are completely protected from contact with liquid water.

1.1.4 *Water-Resistant Exterior Fiber-Reinforced Gypsum Sheathing Panels* are designed for use as sheathing on buildings.

1.1.5 *Interior Fiber-Reinforced Gypsum Underlayment Panels* are designed for use as a base for application of finished flooring materials.

1.1.6 *Fiber-Reinforced Gypsum Board Panels* are designed for use in roofing systems.

1.2 Specifications applicable to all fiber-reinforced gypsum panels are located in Sections 1 – 4 and 11 – 13 except as modified by applicable product sections. Specifications applicable to specific panels are located in the following sections:

Interior Fiber-Reinforced Gypsum Panels	5
Water-Resistant Fiber-Reinforced Gypsum Backing Panels	6
Exterior Fiber-Reinforced Gypsum Soffit Panels	7
Water-Resistant Exterior Fiber-Reinforced Gypsum Sheathing Panels	8
Interior Fiber-Reinforced Gypsum Underlayment Panels	9
Fiber-Reinforced Gypsum Roof Board Panels	10

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

¹ 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 1, 2017. Published May 2017. Originally approved in 1994. Last previous edition approved in 2015 as C1278/C1278M – 07a (2015). DOI: 10.1520/C1278_C1278M-17.

1.4 The text of this specification references notes and footnotes that provide explanatory material. These notes and footnotes shall not be considered as requirements of the standard.

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

C11 Terminology Relating to Gypsum and Related Building Materials and Systems

C22/C22M Specification for Gypsum

C473 Test Methods for Physical Testing of Gypsum Panel Products

C645 Specification for Nonstructural Steel Framing Members

C1264 Specification for Sampling, Inspection, Rejection, Certification, Packaging, Marking, Shipping, Handling, and Storage of Gypsum Panel Products

D1037 Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials

D3273 Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber

E84 Test Method for Surface Burning Characteristics of Building Materials

E96/E96M Test Methods for Water Vapor Transmission of Materials

E119 Test Methods for Fire Tests of Building Construction and Materials

3. Terminology

3.1 *Definitions*—Definitions of terms shall be in accordance with Terminology C11.

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.

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