



Standard Specification for Non-Asbestos Fiber-Mat Reinforced Cement Substrate Sheets¹

This standard is issued under the fixed designation C 1325; 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 *non-asbestos fiber-mat reinforced* cement substrate sheets manufactured to be dimensionally stable and suitable as either an unfinished substrate (see Note 1) or as a substrate for decoration such as natural stone or tile on walls, floors, or decks in wet and dry areas.

NOTE 1—When used as an unfinished substrate, consult the manufacturer's written installation literature for proper application details.

1.2 This specification is not applicable to asbestos-cement flat sheets (Specification C 220); non-asbestos fiber cement flat sheets for exterior applications such as claddings, facades, curtain walls, and soffits (Specification C 1186); gypsum backing board, coreboard, and shaftliner (Specification C 442); water-resistant gypsum backing board (Specification C 630); glass mat gypsum backing board (Specification C 1178); particle boards (Definitions D 1554); and discrete non-asbestos fiber cement interior substrate sheets (Specification C 1288).

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are mathematical conversions to SI units which are provided for information only and are not considered standard.

2. Referenced Documents

2.1 ASTM Standards:²

- C 220 Specification for Flat Asbestos-Cement Sheets
- C 442 Specification for Gypsum Backing Board, Coreboard, and Shaftliner Board
- C 473 Test Methods for Physical Testing of Gypsum Panel Products
- C 630 Specification for Water-Resistant Gypsum Backing Board
- C 666 Test Method for Resistance of Concrete to Rapid Freezing and Thawing

C 947 Test Method for Flexural Properties of Thin-Section Glass-Fiber-Reinforced Concrete (Using Simple Beam with Third-Point Loading)²

C 1154 Terminology for Non-Asbestos Fiber-Reinforced Cement Products

C 1178 Specification for Glass Mat Water-Resistant Gypsum Backing Panel

C 1185 Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards

C 1186 Specification for Flat Non-Asbestos Fiber-Cement Sheets

C 1288 Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets

D 1037 Methods for Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials

D 1554 Definitions of Terms Relating to Wood-Base Fiber and Particle Panel Materials

D 2394 Method for Simulated Service Testing of Wood and Wood-Base Finish Flooring

E 84 Test Method for Surface Burning Characteristics of Building Materials

G 21 Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

G 22 Practice for Determining Resistance of Plastics to Bacteria

2.2 ANSI Standards:³

A118.1 Specification for Dry-Set Portland Cement Mortar

A118.4 Specification for Latex-Portland Cement Mortar

A136.1 Standard for Organic Adhesives for Installation of Ceramic Tile

3. Terminology

3.1 *Definitions: Refer to Terminology C 1154.*

4. Classification

4.1 *Flat sheets covered by this specification are divided into two types, according to their intended application.*

4.1.1 Type A—Sheets are intended for exterior applications as a substrate for other cladding materials, or as an unfinished

¹ This specification is under the jurisdiction of ASTM Committee C17 on Fiber-Reinforced Cement Products and is the direct responsibility of Subcommittee C17.01 on Test Methods.

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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.

³ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.