

CertainTeed Fiber Cement Underlayment/BackerBoard

General Description: CertainTeed Fiber Cement Underlayment and BackerBoard are designed to be installed under ceramic tile, natural stone, brick veneer and other surfacing materials. These products feature a dense, non-porous surface, making them especially effective in kitchen and bathroom applications where resistance to moisture is essential. Depending on the thickness required, they are suitable for interior floors, walls and countertops. Fiber Cement Underlayment (1/4") is available in three sizes, Fiber Cement BackerBoard (1/2") in a single size.

Sizes: **Fiber Cement Underlayment**— 36" x 60" (914mm x 1524mm), 48" x 48" (1219mm x 1219mm), 48" x 96" (1219mm x 2438mm); 1/4" nominal thickness

Fiber Cement BackerBoard— 36" x 60" (914mm x 1524mm); 1/2" nominal thickness

Composition: The products are manufactured using a multi-step high-pressure process that combines Portland cement, fly ash, wood fiber and specialty additives. This product does not contain asbestos, formaldehydes or harmful chemicals.

Technical Data: CertainTeed Fiber Cement Underlayment and Fiber Cement BackerBoard were tested in accordance with the American Society for Testing & Materials (ASTM) standards of the following specifications:

ASTM C473	Facial Dimensions; Squareness; Thickness
ASTM C666	Freeze-Thaw Disintegration
ASTM C947	Flexural Strength
ASTM C1185	Wet Flexural Strength
ASTM C1288	Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets
ASTM D1037	Linear Variation or Moisture Movement; Fastening Holding (saturated); Falling Ball Impact
ASTM D2394	Compression Indentation
ASTM E84	Flame Spread/Smoke Developed
ASTM G22	Bacteria Resistance; Fungus Resistance

Compliance: Meets or exceeds American National Standards for Test Methods and Specifications for Cementitious Backer Units (ANSI-A118.9).

Moisture Resistance Characteristics: Product offers resistance to moisture and is highly dimensionally stable. It will not swell, decay, delaminate or deteriorate.

Fire Resistance Characteristics: CertainTeed Fiber Cement Underlayment and Fiber Cement BackerBoard products have a Class A (1) Flame Spread Rating — 0, Smoke developed — 5, per ASTM E84.

Installation: Preparatory Work — Handle and store product according to CertainTeed recommendations. Keep panels clean and dry, protected from the weather. Store on a smooth, flat surface — not on the ground. If product becomes wet, allow it to dry before installation.

Methods — Complete installation recommendations are available from the manufacturer. Fasteners must be corrosion-resistant or hot-dipped galvanized roofing nails. Length depends on installation — for vertical applications (BackerBoard), nails must penetrate 1 1/2" into a framing member; horizontal applications (Underlayment) must allow for full penetration of the subfloor material. For countertops, use corrosion-resistant 3/4" roofing nails. All joints must be taped with 2" wide alkali-resistant fiber glass reinforcing tape.

Precautions — Avoid breathing dust created by drilling, cutting, sawing, sanding or otherwise abrading the material. Use with adequate ventilation and a dust collection system; see MSDS for additional dust precautions.

Building Codes — Current data on building code requirements and product compliance may be obtained from CertainTeed. Installation must comply with the requirements of all applicable local, state and national code jurisdictions.

Warranty: CertainTeed offers a prorated warranty to the original purchaser and the first transferee for a period of 20 years from the date of purchase. The warranty includes SureStart™ Protection for the original purchaser only for a period of 2 years following the date of installation. Under SureStart, CertainTeed, at no charge, will pay to repair or replace any Fiber Cement Underlayment or Fiber Cement BackerBoard product proven to be defective during the 2-year SureStart period. CertainTeed warrants that the product will be free from manufacturing defects including swelling, decaying, delaminating and damage from termites when stored, installed and maintained according to CertainTeed printed instructions. See warranties for details and limitations.

Technical Services: CertainTeed maintains a technical service staff to assist building professionals with questions regarding CertainTeed products. Call 800-233-8990 for samples and answers to technical or installation questions.

Green Building Standards: CertainTeed is a member of the U.S. Green Building Council and the National Association of Home Builders and supports their programs with a fiber cement line that contributes to LEED and NAHB certification and an environmentally sound manufacturing process. The tables below show the credits that CertainTeed BackerBoard and Underlayment can contribute to in both LEED and NAHB National Green Building Standards..

LEED for New Construction (NC), Core and Shell (CS) and Schools

CERTAINTEED FIBERCEMENT SIDING PRODUCT CONTRIBUTIONS TO LEED CREDIT ¹	POSSIBLE POINTS
Materials & Resources	
MR 4 Recycled Content: Use materials with recycled content that constitutes at least 10% (for 1 point) or 20% (for 2 points) of total value of materials in project (based on cost).	1-2
MR 5 Regional Material: Use building materials/products that have been extracted, harvested or recovered as well as manufactured within 500 miles of project site for a minimum of 10% (for 1 point) or 20% (for 2 points) of total value of materials in project (based on cost). Depends on location of project site.	1-2

LEED for Homes (H)

CERTAINTEED FIBERCEMENT BACKERBOARD PRODUCT CONTRIBUTIONS TO LEED-H CREDIT ²	POSSIBLE POINTS
Innovation & Design Process	
MR 2.2 Environmentally Preferable Product – Materials: Use products that contain a minimum of 25% post-consumer recycled content with pre-consumer content counting at half the value of post-consumer.	.5
MR 2.2 Environmentally Preferable Products – Local: Use products that have been extracted, harvested, recovered and manufactured within 500 miles of the project site.	.5
SS5 NonToxic Pest Control: Protect exposed foundation insulation with moisture-resistant, pest-proof cover (e.g., fiber cement board or siding)	.5

NAHB National Green Building Standard

CERTAINTEED FIBERCEMENT BACKERBOARD PRODUCT CONTRIBUTIONS TO NAHB ²	POSSIBLE POINTS
Resource Efficiency	
602.8 Termite-Resistant Materials: Use termite-resistant materials for exterior claddings of walls, floors, concealed roof spaces not accessible for inspection, and exterior decks in geographical areas that have slight to moderate or greater subterranean termite infestation potential.	2-6
604.1 Recycled Content Materials: Use recycled-content building materials for two minor and/or two major components of the building with a recycled content of 25% or greater.	2-4
608.1 Locally Available Indigenous Materials: Use locally available materials for major elements of the building.	2
Tile Backing Materials 903.1: Tile backing materials installed under tiled surfaces in wet areas shall be in accordance with ASTM C1178, C1278, C1288, or C1325.	Mandatory

1 Based on LEED 2009 2 Based on the ANSI approved ICC 700-2008 National Green Building Standard.

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