

CertainTeed Fiber Cement Siding and Trim

Fiber Cement Siding

General Description: CertainTeed Fiber Cement siding is available in different products providing both traditional and contemporary aesthetics. It is suitable for residential and light commercial applications. These products offer a high degree of dimensional stability and impact resistance.

Styles:

Shapes	Lap	Vertical	Trim
Perfection Shingles	Textured Dutchlap	Stucco	Cedar
Random Square Straight Edge	Textured Beaded Lap	Smooth	
Random Square Staggered Edge	Smooth Beaded Lap	Cedar/no groove	
Individual Shakes	Smooth Lap	Cedar/8" grooved	
Half-Rounds	Cedar Lap		
Octagons			

Finishes: CertainTeed’s exclusive FiberTect® Sealing System ready for field top coating with high quality, acrylic latex paint or stains. WeatherBoards™ Fiber Cement Siding must be allowed to breathe; therefore, it must never be primed, painted or stained on the back side. Factory prefinishing is available with CertainTeed ColorMax® Finish or Premium stains.

Surface Patterns: Smooth, redwood grain, cedar-textured grain, stucco texture, vertical grain

Sizes: Shapes – 8-1/4" x 12' (209mm x 3657mm), 12" x 48" (305mm x 1219mm), 16" x 48" (406mm x 1219mm)

Individual Shakes Kit – 6-1/4" x 18" (159mm x 457mm), 8-1/4" x 18" (209mm x 457mm) and 12" x 18" (305mm x 457mm)

Lap Siding – 5-1/4" (133mm), 6-1/4" (159mm), 7-1/4" (185mm), 7-1/2" (191mm), 8-1/4" (209mm), 9-1/4" (235mm), 12" (305mm) x 12' (3657mm) length

Vertical – 4' x 8' (1219mm x 2438mm), 4' x 9' (1219mm x 2743mm), 4' x 10' (1219mm x 3048mm), 4' x 12' (1219 mm x 3657mm)

Trim – (7/16" thick – 11mm) – 3-1/2" (89mm), 5-1/2" (140mm), 7-1/4" (185mm), 9-1/4" (235mm), 11-1/4" (286mm) x 12' (3657mm) length

Thickness: 5/16" (8mm) on shapes, lap, Perfection Shingles and vertical siding, 7/16" (11mm) on Perfection Shingles and trim, 1/4" (6mm) on Individual Shakes

Composition: The products are manufactured using a multi-step high-pressure process combining Portland cement, fly ash, wood fiber and specialty additives. Wood grains and other architectural features are pressed into the surface.

Technical Data: CertainTeed WeatherBoards™ Fiber Cement siding was tested in accordance with the American Society for Testing & Materials (ASTM) standards of the following specifications:

ASTM C1186-02	Standard Specification for Flat Non-Asbestos Fiber Cement Sheets
ASTM C1185-96	Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards
ASTM E72-95	Conducting Strength Tests of Panels for Building Construction
ASTM E84	Surface Burning Characteristics of Building Materials
ASTM E119-95a	Fire Tests of Building Construction and Materials
ASTM E136	Non-Combustible
ASTM E330-96	Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
ASTM G26-95	Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials

Approvals: ICC ESR-1668

Texas Dept. of Insurance Product Evaluation EC-16

Weather and Other Considerations: Product offers resistance to freeze/thaw cycles and is highly dimensionally stable. It is resistant to damaging ultraviolet (UV) rays and salt spray. It is immune to wood-boring insects. Product can resist high wind forces when installed in accordance with CertainTeed application instructions; see instructions for details.

Fire Resistance Characteristics: CertainTeed WeatherBoards™ Fiber Cement siding products have a Class 1 (A) Flame Spread Rating - 0, Smoke developed - 5, per ASTM E84, and is considered Non-Combustible in accordance with ASTM E136.

Installation: Preparatory Work – CertainTeed WeatherBoards™ Fiber Cement siding products are cut and installed like conventional wood siding. Handle and store product according to CertainTeed recommendations. WeatherBoards™ Fiber Cement siding may be applied over sheathed walls or directly to studs spaced up to 24" (610mm) o.c. where local codes permit. When applying direct to wood or metal studs, a continuous weather-resistive barrier such as CertainTeed's CertaWrap™, not a vapor retarder, must be applied. A vapor barrier, permeability of 1 perm (57.5 ng/(Pa·s·m²) or less, should be used in the wall when required and as described in the ASHRAE design manual. Consult a qualified mechanical engineer or other design professional.

Note: CertainTeed WeatherBoards™ Fiber Cement siding must be installed with the textured or smooth finished exterior surface facing out.

Methods – Complete installation manual is available from the manufacturer. Pneumatic nailing is recommended for attachment to wood framing. Use non-corrosive double hot-dipped galvanized or stainless steel fasteners. Do not use staples. For steel framing application use corrosion resistant bugle head screws. Butt/End Joints should be installed with factory-sealed or factory-prefinished ends butted together in moderate contact. Back flashing is recommended. It is never acceptable to leave a gap of any size at a butt end/joint. Use drip cap flashing above all openings.

Precautions – Avoid breathing dust created by drilling, cutting, sawing or otherwise abrading the material. Use with adequate ventilation and a dust collection system; see MSDS for additional dust precautions. Use of plastic foam insulation may call for special installation attention. All CertainTeed WeatherBoards™ Siding, Soffit and 7/16 trim is sealed with FiberTect®-Sealer/Primer. A finish coat should be applied within 24 months of installation.

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 Fiber Cement siding offers a 50-year limited transferable product warranty with a 2 year SureStart™ limited labor warranty. Under SureStart, CertainTeed, at no charge, will pay to repair or replace any Fiber Cement siding proven to be defective during the 2-year SureStart period.

Additionally, CertainTeed offers for ColorMax® prefinished products a 15-year limited coating warranty and a 15-year SureStart limited labor warranty for coating application (not prorated year 1 and 2)

CertainTeed warrants that the product will be free from manufacturing defects and will not crack, rot or delaminate and will not suffer 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 siding 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 WeatherBoards™ Fiber Cement Horizontal Siding, Simulated Shingle, Vertical Siding and Soffit can contribute to in both LEED and NAHB National Green Building Standards..

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

CERTAINEED 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)

CERTAINEED 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

CERTAINEED FIBERCEMENT BACKERBOARD PRODUCT CONTRIBUTIONS TO NAHB ²	POSSIBLE POINTS
Resource Efficiency	
601.7 No Site Applied Finishing Materials: Use building materials that do not require additional site applied material for finishing. (CertainTeed ColorMax® Finish Only)	2-5
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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