

CertainTeed

# WeatherBoards™

Fiber Cement Siding

## Designed for Green Building



buildingresponsibly™

**CertainTeed** 

Quality made certain. Satisfaction guaranteed.™

# The sound choice for the environment.

*CertainTeed is committed to bringing sustainable materials and manufacturing processes to our fiber cement technology, sourcing, and manufacturing.*

## 1

### Sound Sourcing Practices For Raw Materials

**CertainTeed's proprietary Fiber Cement formulation is sustainable, starting with our raw materials.**

**Raw Materials Close to Home:** CertainTeed sources as many of our raw materials as possible from within 500 miles of our plants, reducing the impact of transportation and related greenhouse gases.

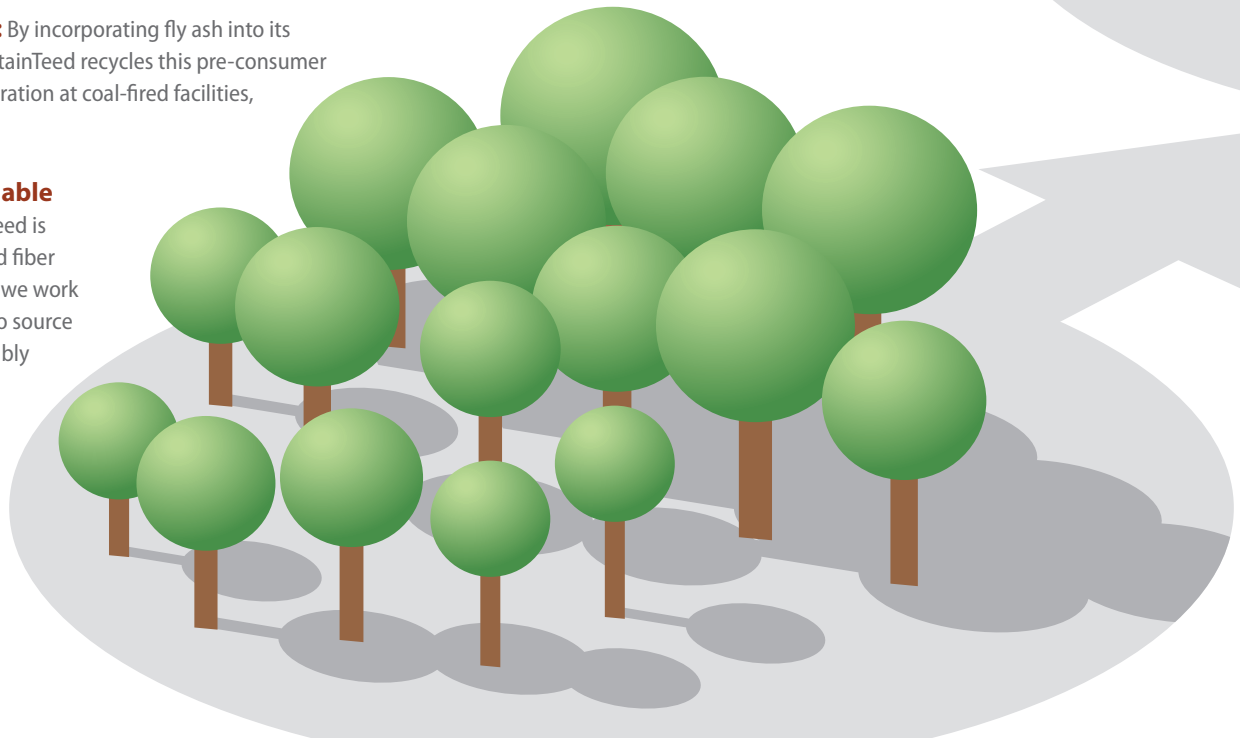
**Reduces the Use of Energy-Intensive and Virgin Materials:**

By incorporating fly ash in our fiber cement, we reduce the demand for virgin materials—those that need to be quarried—and the need for materials that may be energy-intensive to manufacture, such as Portland cement.

**Reduces Landfill Waste:** By incorporating fly ash into its WeatherBoards™ formula, CertainTeed recycles this pre-consumer by-product from electric generation at coal-fired facilities, diverting it from landfills.

**Moving Toward Sustainable**

**Wood Sourcing:** CertainTeed is dedicated to sustainable wood fiber solutions. Wherever possible, we work with the global marketplace to source and secure pulp from sustainably managed forests.



## 2 Sound Manufacturing Practices To Eliminate Waste

**CertainTeed's sustainable manufacturing practices reduce the environmental footprint of our plants and products.**

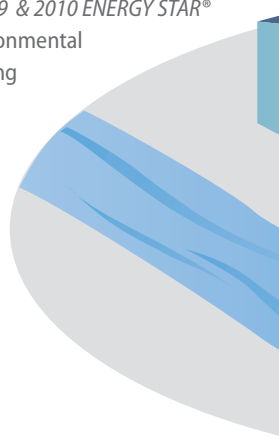
**Water Conservation:** Our manufacturing facilities recycle the water used in our plants, saving billions of gallons each year.

**Waste Reduction:** The majority of manufacturing waste is recycled. 100% of wet scrap is recycled internally and the majority of dry scrap is recycled back to cement suppliers.

**Energy Efficiency:** Named 2009 & 2010 ENERGY STAR® Partner of the Year by the U.S. Environmental Protection Agency (EPA), recognizing our achievements toward reducing greenhouse gas emissions through



energy efficiency.



# 3 Sound Product Design For Sustainability

CertainTeed's durable, long-lasting products contribute to the sustainability of your home or building.



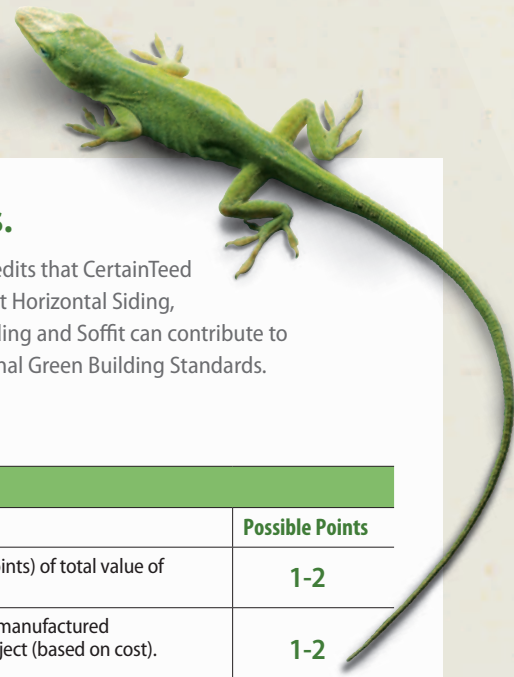
### Environmentally Sustainable Formula:

Our proprietary fiber cement formula replaces additional silica with fly ash, a green, raw material, and incorporates wood fiber. Not only does the use of fly ash divert waste from landfills, it becomes chemically bonded in the material and improves product performance.

**50% Recycled Content:** CertainTeed is committed to optimizing efficiency and sustainability of its products while decreasing the carbon footprint.

**Lighter...For Less Energy.** Boards made with fly ash are lighter than previous formulations which translates into less energy used to package and transport.

**ICC Building Code Approved:** Our formulation carries the ICC Building Code approval (reference report #ESR-1668). It has been evaluated for water resistance, transverse loading, surface burning characteristics and fire-resistive-rated construction.



## CertainTeed Fiber Cement and Green Building Programs.

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

#### CERTAINTEED FIBER CEMENT SIDING PRODUCT CONTRIBUTIONS TO LEED CREDIT<sup>1</sup>

Materials & Resources:	Possible Points
<b>MR 4 Recycled Content:</b> 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
<b>MR 5 Regional Material:</b> 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 FIBER CEMENT SIDING PRODUCT CONTRIBUTIONS TO LEED FOR HOMES CREDIT<sup>2</sup>

Materials & Resources:	Possible Points
<b>MR 2.2 Environmentally Preferable Product – Materials:</b> 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
<b>MR 2.2 Environmentally Preferable Products – Local:</b> Use products that have been extracted, harvested, recovered and manufactured within 500 miles of the project site.	.5
<b>SS5 NonToxic Pest Control:</b> Protect exposed foundation insulation with moisture-resistant, pest-proof cover (e.g., fiber cement board or siding)	.5

### NAHB National Green Building Standard

#### CERTAINTEED FIBER CEMENT SIDING PRODUCT CONTRIBUTIONS TO NAHB<sup>2</sup>

Resource Efficiency:	Possible Points
<b>601.7 No Site Applied Finishing Materials:</b> Use building materials that do not require additional site applied material for finishing. (CertainTeed ColorMax® Finish Only)	2 – 5
<b>602.8 Termite-Resistant Materials:</b> 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
<b>604.1 Recycled Content Materials:</b> 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
<b>608.1 Locally Available Indigenous Materials:</b> Use locally available materials for major elements of the building.	2

<sup>1</sup> Based on LEED 2009

<sup>2</sup> Based on the ANSI approved ICC 700-2008 National Green Building Standard.



## ASK ABOUT OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

**EXTERIOR:** ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE  
**INTERIOR:** INSULATION • GYPSUM • CEILINGS

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