

## Understanding the role of CertainTeed FiberCement Siding, Soffit and 7/16" Trim in meeting **Green Building Standards**



In addition to being durable and low maintenance, **CertainTeed FiberCement Siding and Trim products are environmentally sustainable.** Our proprietary formula includes fly ash, providing the green benefits of recycled material. After several years of research and development, this new formulation contains more than **30% post-industrial recycled material.**

Because of the enhanced green component of fly ash, CertainTeed uniquely contributes to LEED project certification points in the Materials and Resources category.

### green facts:

- > Contains more than 30% post-industrial recycled material in the form of fly ash.
- > Fly ash is a post-industrial by-product of electric generation at coal-fired facilities.
- > CertainTeed is committed to resource conservation:
  - Our manufacturing facilities recycle the water used in our plants, resulting in a savings of more than 1.5 billion gallons per year.
  - All wood fiber pulp used in our fiber cement products is supplied from sustainably managed forests.
  - By using fly ash in our product, over 50,000 tons of this material are diverted from landfills each year.
- > Fly ash comes in many varieties. The type used in CertainTeed's fiber cement products allows the creation of a stable chemical matrix, resulting in optimum product performance.
- > Our innovative use of fly ash in our formulation has not only improved the strength and durability of our products, but has also resulted in a more flexible and easy to install product, as compared to the competition.
- > Fly ash has not changed our fiber cement products' superior paintability properties. We continue to use our FiberTect® sealant on our entire product line.
- > This new formulation has ICC Building Code approval (reference report #ESR-1668).
- > As a result of this innovation, we are able to offer a lighter weight board without sacrificing quality and integrity. Boards made with fly ash are about 5% lighter than our old formulation, which translates into less energy used to produce and transport.

**CERTAINTEED FIBERCEMENT SIDING, SOFFIT AND 7/16" TRIM PRODUCT CONTRIBUTIONS**

**LEED-NC CREDITS\***

**Materials & Resources**

**POSSIBLE POINTS**

**Recycled Content 10% (credit 4.1):** Use materials with recycled content that constitutes at least 10% based on cost of total value of materials in project. CertainTeed FiberCement Siding contains pre-consumer materials that can contribute to these credits.

1

**Recycled Content 20% (credit 4.2):** Use materials with recycled content that constitutes at least 20% based on cost of total value of materials in project. CertainTeed FiberCement Siding contains pre-consumer materials that can contribute to these credits.

1

**Regional Materials 10% (credit 5.1):** 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% based on cost of the total materials. Depends on location of project site.

1

**Regional Materials 20% (credit 5.2):** 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 20% based on cost of the total materials. Depends on location of project site.

1

\*Based on LEED-NC Version 2.2

**LEED-H CREDITS\***

**Materials & Resources**

**POSSIBLE POINTS**

**Environmentally Preferable Products (credit 2.2/ Environmentally Preferable Materials—Local):** Use products that are environmentally preferable, and/or extracted, processed and manufactured within 500 miles of home.

0.5

\*Based on LEED-H Version 1.11A

**CERTAINTEED FIBERCEMENT SIDING PLANT LOCATIONS:**



Terre Haute, IN • North Wilkesboro, NC • White City, OR