

Understanding the role of CertainTeed Residential Roofing in meeting Green Building Standards

CertainTeed produces roofing products that help reduce environmental impact and CO₂ emissions from homes. CertainTeed manufactures numerous ENERGY STAR® and Cool Roof Rating Council certified products such as Landmark Solaris™, Symphony™, and CT™20, XT™25AR, XT™30 (Star White) shingles for steep slope and CoolStar™ systems for low slope roofing.

LEED®

LEED (Leadership in Energy and Environmental Design) for Homes is a standard for the design and construction of high performance “green” homes. A green home uses less energy, water and natural resources; creates less waste; and is healthier and more comfortable for the occupants. The benefits of a LEED home include lower energy and water bills; reduced greenhouse gas emissions; and less exposure to mold, mildew and other indoor toxins. In addition, a LEED rating can give homeowners confidence that their home is durable, healthy and environmentally friendly.



ROOFING PRODUCT CONTRIBUTIONS TO LEED-H*	Possible Points
Energy and Atmosphere	
Exceptional Energy Performance (credit 1.2): Improve the overall energy performance of the home. Points are earned by exceeding a base HERS Index (85 for southern states, 80 for northern states).	1-34
Materials and Resources	
Environmentally Preferable Materials (credit 2.2): Use products that are environmentally preferable (EPP) and/or materials that have been extracted, processed and manufactured within 500 miles of the home (“local”).	0.5 (EPP) and 0.5 (Local)

*LEED-H January 2008

CertaSpec

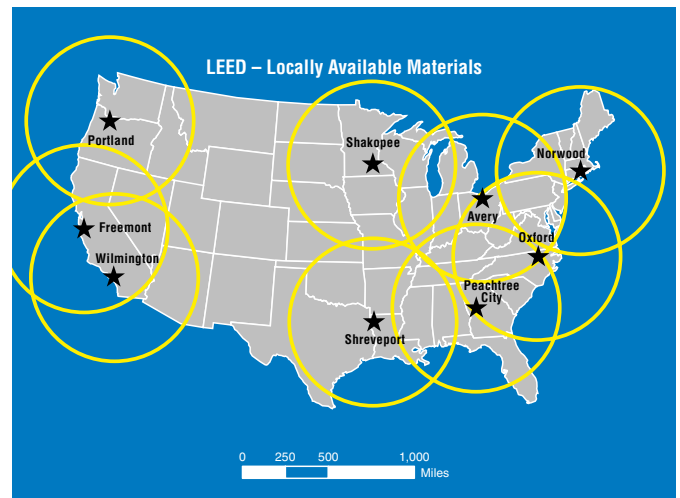
For detailed product information on the green aspects CertainTeed’s roofing products, including recycled content, regional materials, and solar reflectance, use the downloadable CertaSpec tool. This program generates LEED documentation letters as well as complete job submittal packages for all of the products offered by CertainTeed Roofing. CertaSpec is available for download at www.certainteed.com/CertaSpec.

Before a home can be LEED certified, it must meet the standards set by the U.S. Green Building Council (USGBC). Individual products are not LEED certified, but choosing environmentally responsible products can contribute to the overall LEED points gained on a project.



CERTAINTEED ROOFING PLANT LOCATIONS

- | | | |
|----------------|--------------------|----------------|
| Avery, OH | Oxford, NC | Shakopee, MN |
| Birmingham, AL | Peachtree City, GA | Shreveport, LA |
| Fremont, CA | Portland, OR | Wilmington, CA |
| Norwood, MA | | |



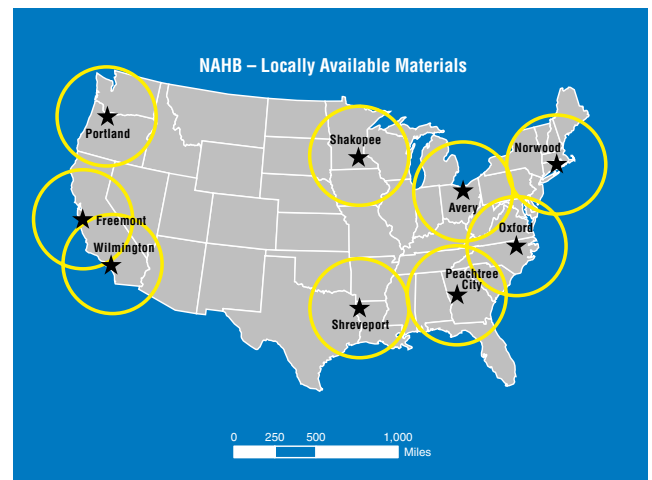
NAHB NATIONAL GREEN BUILDING STANDARD

This Washington, D.C.-based trade association focuses on enhancing the climate for housing and the building industry, with an emphasis on the well being of the consumer. Among their guiding principles are resource efficiency and the promotion of energy-efficient building materials and construction practices. Builders who use CertainTeed roofing products can earn points for green building ratings under the NAHB National Green Building Standard.

ROOFING PRODUCT CONTRIBUTIONS TO NAHB	Possible Points
Resource Efficiency	
602.13 Roof Surfaces – ENERGY STAR® or Cool Roof Council Certified: A minimum of 90% of roofs are constructed of products that are (1) in accordance with the ENERGY STAR® or Cool Roof Council certification or equivalent, or (2) a green roof system.	3
604.1 Recycled Content Materials (Underlayment Products Only): 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 to 4
608.1 Locally Available, Indigenous Materials: Use indigenous materials for major elements of the building.	2
Energy Efficiency – Performance Path	
702.2 Energy Cost Performance: Energy efficiency features are implemented to achieve energy cost performance that exceeds ICC IECC by 15-60%.	30 to 120
Energy Efficiency – Prescriptive Path	
703.1.1 Building Envelope: Total building thermal envelope UA improved by 10-20% over that required by IECC. Insulation must receive a Grade 1 rating.	10 to 36

CERTAINTEED ROOFING GREEN FACTS

- Many CertainTeed roofing products are manufactured with pre- and post-consumer recycled content including slag, stone granules, corrugated mixed paper and sludge. The overall pre- and post-consumer recycled content of our roofing products is between 1 – 89%. Integrating these materials into our products reduces landfill waste and carbon emissions.
- CertainTeed diverts over 250,000 tons/year of slag, stone granules, corrugated mixed paper and sludge from landfills by recycling these materials into our products.
- In addition to landfill waste reduction, the use of recycled materials in our products reduces the release of CO₂ from the extraction and processing of virgin raw materials that are used to manufacture the roofing products.
- CertainTeed is committed to resource conservation. Our roofing manufacturing facilities recycle close to 90% of production waste into asphalt materials used for the construction of roads.
- We also integrate recycled content into many of our packaging materials, including corrugated rolls and kraft paper.



For complete details on the LEED or NAHB rating systems and certification processes, contact your LEED or NAHB professional, or visit www.usgbc.org/LEED or www.nahbrc.org/greenguidelines. To learn more about CertainTeed roofing products, please visit www.certainteed.com.

buildingresponsibly™

ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS:

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

CertainTeed Corporation
 P.O.Box 860
 Valley Forge, PA 19482
 Professional: 800-233-8990
 Consumer: 800-782-8777
www.certainteed.com

Code No. 20-20-2008 © 5/09 CertainTeed Corporation, Printed in U.S.A.



CertainTeed