

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

CertainTeed produces roofing products that help reduce environmental impact and CO₂ emissions from buildings. 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®

CertainTeed is a member of the U.S. Green Building Council and supports the Leadership in Energy and Environmental Design (LEED) program. CertainTeed roofing products improve building energy efficiency and reduce building energy consumption. As a result, they can help conserve nonrenewable energy sources, decrease dependence on foreign oil and lower greenhouse gas emissions. In addition, some CertainTeed commercial roofing products contain pre- and post-consumer recycled content and may meet requirements for regional materials based on your project location. The LEED Green Building Rating System was developed by the U.S. Green Building Council to provide a national benchmark for the design, construction and operation of high-performance sustainable buildings. In order for a building to become LEED certified, it must meet certain prerequisites and credit requirements to qualify for rating points. There are a maximum of 100 points available in six categories. Please note that individual products are not LEED certified, but they can contribute to the overall LEED points obtained on a given project.



CertaSpec

For detailed product information on the green aspects of 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.

ROOFING PRODUCT CONTRIBUTIONS TO LEED 2009	Possible Points	Possible Points	Possible Points
Sustainable Sites	NC	Schools	CS
Heat Island Effect: Roof (credit 7.2): Use roofing materials on at least 75% of the roof area that has a Solar Reflectance Index (SRI) equal to or greater than 78 for a roof with a slope less than 2:12.	1	1	1
Energy and Atmosphere			
Optimize Energy Performance (credit 1): Demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004 (without amendments) by a whole building project simulation using the Building Performance Rating Method.	1-19	1-19	3-21
Materials and Resources			
Recycled Content (credit 4): Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% or 20% (based on cost) of the total value of the materials in the project.	1-2	1-2	1-2
Regional Materials (credit 5): Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20% (based on cost) of the total materials value. If only a fraction of a product or material is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value.	1-2	1-2	1-2
Indoor Environmental Quality			
Thermal Comfort: Design (credit 7.1): Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.	1	1	NA

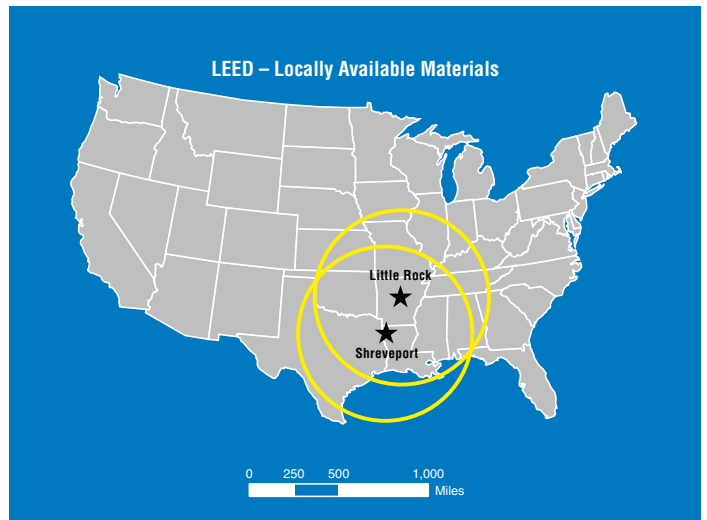
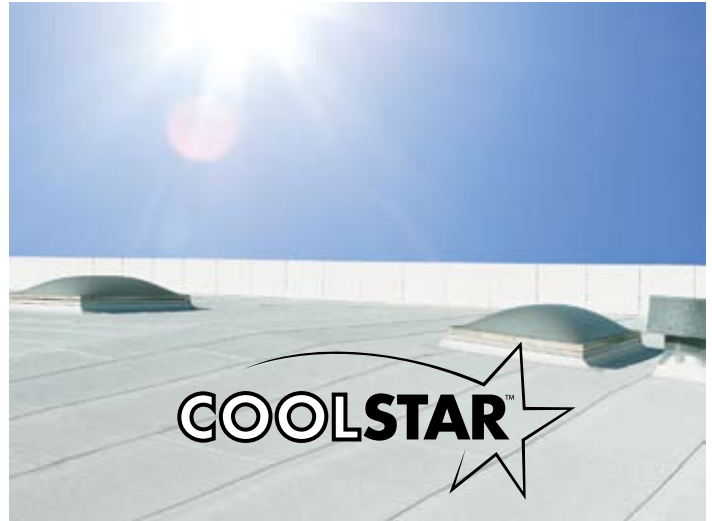
CERTAINTEED ROOFING GREEN FACTS

- 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.

CERTAINTEED COMMERCIAL ROOFING PLANT LOCATIONS

Little Rock, AR
Shreveport, LA

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



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ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS:

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

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