



Owens Corning™ Roofing Essentials® Accessory Products

INNOVATIONS FOR LIVING®

HELPING YOU ACHIEVE LEED® CERTIFICATION



Owens Corning™ Roofing Essentials® Accessory Products help protect from the elements and severe weather for commercial, institutional and high-rise residential buildings, with a low profile aesthetically appealing product. This document applies to the LEED New Construction and Major Renovations, LEED Commercial Interiors, LEED Core & Shell, LEED for Schools and LEED for Existing Buildings, Operations & Maintenance products. As you pursue LEED® Certification, rely on the products and expertise of Owens Corning.

LEED® Certification and the awarding of credits, is based on the overall project design, properly designed building systems and construction assemblies, and the performance of the project as a whole. Roofing Essentials® Accessory Products can be components in many roofing systems and assemblies. All components and assemblies should be considered when seeking credits within a given category. Owens Corning™ Roofing Essentials Accessory Products contribute to the categories listed below.

Owens Corning™ Roofing Essentials® Accessory Products:

- Deck Defense® High Performance Underlayment
- DecoRidge® Hip & Ridge Shingles
- Fiberglas™ Reinforced Felt Underlayment
- High Ridge Hip & Ridge Shingles
- Illuminator™ Tube Skylight
- ProEdge™ Hip & Ridge Shingles
- RIZERidge® Hip & Ridge Shingles
- Starter Shingle Roll
- Starter Strip Plus Shingles
- Starter Strip Shingles
- VentSure® 4-Foot Strip Heat & Moisture Ridge Vents
- VentSure® Rigid Roll Ridge Vents with Weather PROtector® Moisture Barrier
- VentSure™ Solar Attic Exhaust Fan
- VentSure® 4-Foot Strip Heat and Moisture Ridge Vents with Weather PROtector® Moisture Barrier
- WeatherLock® Flex Ice & Water Barrier
- WeatherLock® G Ice & Water Barrier
- WeatherLock® Mat Ice & Water Barrier
- WeatherLock® Specialty Tile & Metal Ice & Water Barrier

Table 1

Contribution to LEED Requirement

LEED Credit Category	LEED Requirement	Owens Corning™ Product Contribution
Energy and Atmosphere (EA) Prerequisite 2: Minimum Energy Performance Credit 1: Optimize Energy Performance (1-19 points)	10% performance improvement for new buildings or 5% better performance for renovated existing buildings, with baseline building performance rating calculated per method in Appendix G of ANSI/ASHRAE/IESNA Standard 90.1-2007 for whole building simulation. Improve building performance rating compared with the baseline building performance rating, calculated per Appendix G of ANSI/ASHRAE/IESNA Standard 90.1-2007 a whole project simulation model, with points awarded per energy cost savings in LEED table.	VentSure® Ventilation Products help to reduce building energy demand by allowing heat and moisture to be evacuated from attic or rafter spaces under steep slope roofs. The project team is responsible for conducting the energy analysis to determine the overall building energy efficiency. VentSure® Ventilation Products and DecoRidge® Hip & Ridge in Sunrise, Harbor Fog, Sage, Frosted Oak, and Shasta White, and High Ridge, RIZERidge® and ProEdge™ Hip & Ridge in Shasta White help to reduce building energy demand by allowing heat and moisture to be evacuated from attic or rafter spaces under steep slope roofs. The overall contribution depends on the construction assembly where the product is used. The project team is responsible for conducting the energy analysis to determine the overall building energy efficiency.
Material & Resources (MR) Credit 4: Recycled Content (1-2 points)	Materials with recycled content such that the sum of post-consumer recycled content plus half of the pre-consumer content constitutes at least 10% (1 point) or 20% (2 points) based on cost, of the total value of the materials in the project.	Owens Corning™ Roofing Essentials® Accessory Products contain varying levels of post-consumer and pre-consumer recycled content, depending on product and manufacturer location. See Table 2.
Indoor Environmental Quality (IEQ) Credit 7 & 7.1: Thermal Comfort (1 point each) Credit 10: Mold Prevention (1 point)	Design HVAC systems and building envelope to meet the requirements of ASHRAE Standard 55-2004, Thermal Comfort Conditions for Human Occupancy. Demonstrate design compliance in accordance with the Section 6.1.1 documentation. Added to IEQ Credits 3.1, 7.1, and 7.2, HVAC systems/controls limit RH to 60% and IAQ program based on U.S. EPA document, Building Air Quality: A Guide for Building Owners and Facility Managers, EPA reference number 402-F-91-102, December 1991.	VentSure® Ventilation Products contribute to a comfortable thermal environment by allowing trapped heat and moisture to escape the attic or rafter space in a steep slope roof. See individual product data sheets for details, and check with local sales representative for product applications. VentSure® Ventilation Products reduce the potential for normally occurring moisture vapor to condense in the attic or rafter space of a steep slope roof, thus reducing the potential for mold growth, by allowing the vapor to be properly evacuated from the attic or rafter space. See individual product data sheets for details.
Innovation in Design (ID) (1-4 points)	Credit can be achieved through any combination of the Innovation in Design and Exemplary Performance.	Refer to individual product data sheets or check with the local sales representative for product applications.

Note: No individual material enables a credit point to be taken within LEED because each category is dependent on the aggregate of all materials and their proportionate relationship to the total dollar cost of all materials.

Table 2

Manufacturing Facility

Product	Manufacturing Facility	Post-consumer Recycled Content	Pre-consumer Recycled Content
VentSure® Low Profile Slant Back	Rohnert Park, CA	20%	5%
VentSure® Low Profile Slant Back with Exterior Louver	Rohnert Park, CA	20%	5%
Fiberglas™ Reinforced Felt Underlayment	Tuscaloosa, AL	55%	
WeatherLock® Specialty Tile and Metal Self-Sealing Ice & Water Barrier	Brentwood, NH	9.76%	

To view other Owens Corning™ products that help contribute to LEED® certification please visit <http://sustainability.owenscorning.com/> and download Pub. No. 10011611.



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