



Owens Corning™ VentSure® Ventilation Products

INNOVATIONS FOR LIVING®

HELPING YOU ACHIEVE LEED® CERTIFICATION



Owens Corning™ VentSure® Ventilation 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. VentSure® Ventilation products can be components in many roofing systems and assemblies, with all components within those systems and assemblies considered to assess compliance with the LEED Rating System used for certification within a given category. Owens Corning™ VentSure® Ventilation Products contribute to the categories listed below.

Owens Corning™ VentSure® Ventilation Products:

- VentSure® 4-Foot Strip Heat & Moisture Ridge Vents
- VentSure® Rigid Roll Ridge Vents with Weather PROtector™ Moisture Barrier
- VentSure® Corrugated Strip Low Profile Ridge Vents with Weather PROtector® Moisture Barrier
- VentSure® Metal Dome with Screen
- VentSure® High Profile Slant Back Roof Vent with Exterior Louver
- VentSure® Low Profile Slant Back Roof Vent with Exterior Louver
- VentSure® Plastic Slant Back Roof Vent with Interior Louver
- VentSure® Square Hood Roof Vent with Interior Screen

Table 1 (Chart continued on next page)

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 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.
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.

Table I (Continued)

Contribution to LEED Requirement

LEED Credit Category	LEED Requirement	Owens Corning™ Product Contribution
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.

To view other Owens Corning™ products that help contribute to LEED certification please visit <http://sustainability.owenscorning.com/> and download Pub Number 10011611.



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