



INNOVATIONS FOR LIVING®

Owens Corning™ Room Finishing System™

HELPING YOU ACHIEVE LEED® CERTIFICATION



Owens Corning™ Room Finishing System™ helps improve thermal and acoustic performance in residential and commercial buildings while adding to the aesthetic appeal of the project. 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 points are based on the overall building design concept and performance. Owens Corning™ Room Finishing System™ assists in attaining points for the categories listed below. All components referring to a given category must be taken into consideration to assess point compliance.

Owens Corning™ Room Finishing System™ Product Components:

- Wall Panel 1"
- Wall Panel 2-1/2"
- Lineal 1"
- Lineal 2-1/2"
- Batten
- Casing
- Base
- Cove
- OS Corner
- IS Corner

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.	Owens Corning™ Room Finishing System™ fiberglass insulated wall panels help reduce building energy demand. The project team is responsible for conducting the energy analysis to determine the overall building energy efficiency. Fiberglass insulated wall panels help reduce building energy demand. The overall contribution depends on the R-value of product and the U-value of the overall building assembly. The project team is responsible for conducting the energy analysis to determine the overall building energy efficiency.
Materials & Resources (MR)– Credit 3: Material Reuse (1-2 points)	Use salvaged, refurbished or reused materials, which constitute at least 5% (1 point) or 10% (2 points), based on cost, of the total value of materials on the project.	Owens Corning™ Room Finishing System™ wall panels can be removed and reused. Contact 1-800-GET PINK™ for additional information.

Table I (Continued)

Contribution to LEED Requirement

LEED Credit Category	LEED Requirement	Owens Corning™ Product Contribution
<p>Indoor Environmental Quality (IEQ)– Prerequisite 3: Minimum Acoustic Performance</p> <p>Credit 7.1: Thermal Comfort (1 point each)</p> <p>Credit 9: Enhanced Acoustical Performance (1 point)</p> <p>Credit 10: Mold Prevention (1 point)</p>	<p>Classrooms and core learning spaces with background noise from HVAC systems at 45 dBA or less, and have reverberation times per the ANSI Standard S12.60-2002, Acoustical Performance Criteria, Design Requirements and Guidelines for Schools.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>Fiberglass insulated wall panels reduce sound transmission through the building shell and interior partitions and minimize HVAC noise.</p> <p>Fiberglass insulated wall panels improve thermal performance of the wall assembly and provides a high level of thermal comfort within occupied spaces. The overall contribution depends on the R-value of wall panels and U-value of wall assembly.</p> <p>Wall panel Insulation reduces sound transmission through the building shell and interior partitions and minimize HVAC noise.</p> <p>Fiberglass insulated wall panels have excellent moisture performance and does not support mold growth.</p>
<p>Innovation in Design (ID)– (1-4 points)</p>	<p>Credit can be achieved through any combination of the Innovation in Design and Exemplary Performance.</p>	<p>Refer to individual product data sheets or check with the local sales representative for product applications.</p>

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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