



Owens Corning Roofing Shingle Products

HELPING YOU ACHIEVE LEED® CERTIFICATION

INNOVATIONS FOR LIVING®



Owens Corning Roofing Products help protect from the elements and severe weather for commercial, institutional and high-rise residential buildings with a broad array of aesthetically appealing roofing products. 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 Shingle 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 Shingle Products contribute to the categories listed below.

Owens Corning Roofing Shingle Products:

- Berkshire® Collection
- Woodmoor® Shingles
- Woodcrest® Shingles
- WeatherGuard® HP Shingles
- Duration® Premium Shingles
- Duration® Premium Shingles Designer Colors
- Duration® Premium Cool Shingles
- Duration® Shingles
- Oakridge® Shingles
- Supreme® Shingles
- Classic® Shingles

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	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.	Owens Corning Roofing Products, Duration® Premium Cool shingles and Duration® Premium, Duration®, Oakridge® and Supreme® Shasta White Shingles can help to reduce building energy demand. The project team is responsible for conducting the energy analysis to determine the overall building energy efficiency.
Credit 1: Optimize Energy Performance (1-19 points)	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 Roofing Products, Duration® Premium Cool shingles and Duration® Premium, Duration®, Oakridge® and Supreme® Shasta White Shingles can help to reduce building energy demand. The overall contribution depends on the building system or construction assembly where the product is used. The project team is responsible for conducting the energy analysis to determine the overall building energy efficiency.
Credit 2: Construction Waste Management (1-2 points)	Develop and implement a waste management plan, quantifying material diversion by weight (Remember that salvage may include the donation of materials to charitable organizations such as Habitat for Humanity) Recycle and/or salvage at least 50% (by weight) of construction, demolition, and land clearing waste (1 point) Recycle and/or salvage an additional 25% (75% total by weight) of the construction, demolition, and land clearing debris (1 point)	Owens Corning Roofing Preferred Contractor Shingle Recycling Program available in specific markets.

Table 1 (Continued)

Contribution to LEED Requirement

LEED Credit Category	LEED Requirement	Owens Corning Product Contribution
Materials & Resources (MR) Credit 4: Recycled Content (1-2 points) Credit 5: Regional Material (1-2 points)	Materials with recycled content such that the sum of post-consumer recycled content plus 1/2 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. Materials/products extracted and manufactured (or fraction thereof) within 500 miles of project site for a minimum of 10% (1 point) or 20% (2 points), based on cost, of the total materials value (fractional quantities contribute as percentage by weight).	Owens Corning Shingle Products contain varying levels of pre-consumer recycled content, depending on product and manufacture location. See Table 2 Owens Corning Shingle products are made in many locations, providing regionally available product manufactured and sourced within a 500 mile radius of project locations in many areas of the country. Owens Corning Roofing plant locations are shown in Fig. 1. Contact 1-800-GET-PINK® for additional information.
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	Shingles Product	Pre-Consumer Recycle Content Available for LEED NC Credit
Atlanta	Classic® Shingles	7.8%
	Supreme® Shingles	7.0%
Brookville	Oakridge® Shingles	2.9%
	Duration® Shingles	2.9%
	Duration® Premium	2.6%
Medina	Classic® Shingles	9.3%
	Supreme® Shingles	8.2%
Memphis	Classic® Shingles	4.9%
	Supreme® Shingles	4.4%
	Oakridge® Shingles	4.9%
	Duration® Shingles	4.9%
	Duration® Premium Shingles	4.4%
Summit	Classic® Shingles	9.8%
	Supreme® Shingles	8.8%
	Oakridge® Shingles	2.6%
	Duration® Shingles	2.6%

Recycled content is a yearly average based on tons of recycled material purchased divided by the nominal square weight times the squares provided.

Figure 1

Owens Corning Roofing Shingle Product Plant Locations



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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