

December 2007

**EVERLAST<sup>®</sup>**  
**PERFORMANCE FLOORING**  
**THE TOUGHEST FLOOR IN THE GYM.™**

**& LEED**

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*How EVERLAST Performance Flooring Systems  
Can Contribute To Obtaining  
LEED<sup>®</sup> Credits*

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# LEED for New Construction

## Overview

The Leadership in Energy and Environmental Design (LEED®) Green Building Rating System™ represents the U.S. Green Building Council's effort to provide a national standard for what constitutes a "green building." It is utilized as a design guideline and certification tool for architects and designers seeking to develop high-performance, sustainable buildings.

LEED Version 2.2 is an updated version of the rating system for New Construction and Major Renovations (LEED-NC). It is designed to guide and distinguish high-performance commercial and institutional projects with a focus on office buildings.

The rating system defines the requirements, by category, to achieve each prerequisite and voluntary point. Projects earn one or more points toward certification by meeting or exceeding each credit's technical requirements. Points compute to a final score that relates to one of four possible levels of certification.

EVERLAST® Flooring Systems are designed to meet stringent criteria required to earn points under 2 out of the 6 categories of LEED-NC. Based on this criteria, EVERLAST products can assist architects and designers in obtaining up to 7 points toward LEED certification.

## LEED-NC Credit Areas Impacted by Flooring

Category	Credit Title	Credit Number	Number of Points Attainable
Materials & Resources	Construction Waste Management	MR 2.1	1
	Construction Waste Management	MR 2.2	1
	Recycled Content	MR 4.1	1
	Recycled Content	MR 4.2	1
	Local/Regional Materials	MR 5.1	1
	Local/Regional Materials	MR 5.2	1
Indoor Environmental Quality	Low-Emitting Materials	EQ 4.1	1

### Definition of LEED-NC Credits MR 2.1 & MR 2.2:

#### **MR 2.1** ... (1 point)

- Recycle and/or salvage at least 50% of non-hazardous construction and demolition debris. Develop and implement a construction waste management plan that, at a minimum, identifies the materials to be diverted from disposal and whether the materials will be sorted on-site or commingled. Calculations can be done by weight or volume but must be consistent throughout.

#### **MR 2.2** ... (1 point in addition to MR 2.1)

- Recycle and salvage an additional 25% beyond MR 2.1 (75% total) of non-hazardous construction and demolition debris.

### How EVERLAST Can Contribute:

EVERLAST can contribute in two ways:

- All selvages and overages can be packaged and shipped back at the owner's expense to ECORE in Lancaster, PA (product manufacturer).
- Modular 1" EVERLAST UltraTiles may be packaged and shipped back at the owner's expense to ECORE in Lancaster, PA.

Both product scrap and EVERLAST UltraTiles must be free of adhesive, dowel rods and debris, including dirt, concrete or asphalt. It will be reground and used in other materials ECORE manufactures.

For more information on ECORE's reclamation program, please call 1-800-322-1923.

### Potential Strategies:

Establish goals of diversion from disposal in landfills and incinerators and adopt a construction waste management plan to achieve these goals. Consider recycling cardboard, metal, brick, rubber, acoustical tile, concrete, plastic, clean wood, glass, gypsum wallboard, carpet and insulation. Designate a specific area on the construction site for segregated or commingled collection of recyclable materials, and track recycling efforts through the construction process.

# LEED-NC: Materials and Resources

## Recycled Content

### Definition of LEED-NC Credits MR 4.1 & MR 4.2:

#### **MR 4.1** ... (1 point)

- Use materials with recycled content such that the sum of post-consumer recycled content plus one half (the value of) the pre-consumer content constitutes at least 10% of the total value of the materials in the project.
- The value of the recycled content portion of a material or furnishing shall be determined by dividing the weight of recycled content in the item by the total weight of all material in the item, then multiplying the resulting percentage by the total value of the item.

#### **MR 4.2** ... (1 point in addition to MR 4.1)

- Use materials with recycled content such that the sum of post-consumer recycled content plus one half (the value of) the pre-consumer content constitutes at least 20% of the total value of the materials in the project.

### How EVERLAST Can Contribute:

EVERLAST Performance Flooring is comprised of shredded and cleaned SBR tire rubber (100% post-consumer waste) and colorful EPDM flecks (30% pre-consumer waste). The result is a polymerically bound floor with very high-recycled content.

Recycled content is defined in accordance with the International Organization for Standardization® document, ISO 14021 – Environmental labels and declarations:

- Post-consumer material – waste materials diverted from the waste stream after consumer or commercial use.
- Pre-consumer material – materials diverted from the waste stream during the manufacturing process. Excluded is regrind, rework or scrap.

### Potential Strategies:

Establish a project goal for recycled content materials and identify material suppliers that can achieve this goal. During construction, ensure that the specified recycled content materials are installed and quantify the total percentage of recycled content materials installed.

**EVERLAST Recycled Content**

	Color Line	Product Number	Total Percent Recycled	Pre-Consumer Content	Post-Consumer Content	
Rolls & Tiles	Fundamentals	E100 E101 E102 E104 E107 E128 E129 E130 E131 E132	83.99%	2.09%	81.90%	
		E105	87.30%	0.96%	86.34%	
		E121	84.10%	2.06%	82.03%	
		High Intensity	E145 E146	77.22%	4.12%	73.10%
			E147 E133 E134 E135 E136	76.99%	4.19%	72.80%
			E106 E109 E123	83.99%	2.09%	81.90%
	Color Rush	E111	70.03%	6.27%	63.76%	
		E124 E137 E138 E139	69.98%	6.28%	63.70%	
		E140	78.65%	14.95%	63.70%	
		E100	91.26%	0.19%	91.06%	
	Ultra Tile 1" Thickness	Ultra	E145 E146 E148	90.63%	0.38%	90.24%
			E147 E136	90.61%	0.39%	90.22%
E124			89.95%	0.58%	89.37%	
E115 E142 E143			85.81%	1.85%	83.97%	
E141 E144			85.75%	1.87%	83.88%	

# LEED-NC: Materials and Resources

## Local/Regional Materials

### Definition of LEED-NC Credits MR 5.1 & 5.2:

#### MR 5.1 ... (1 point)

- 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% (based on cost) of the total material 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.

#### MR 5.2 ... (1 point in addition to MR 5.1)

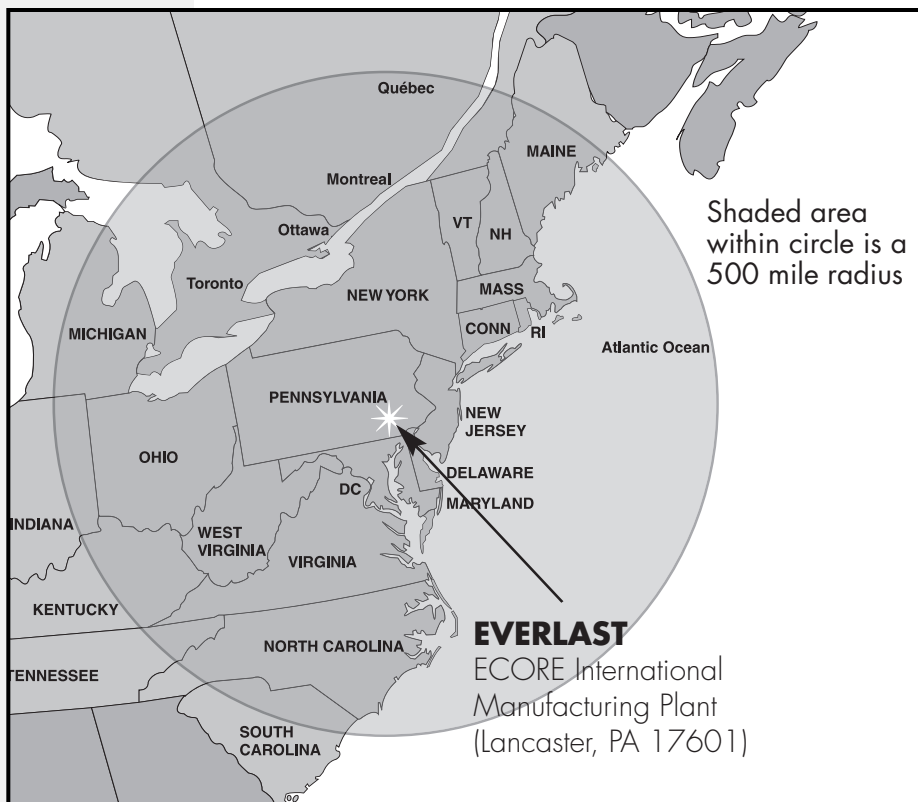
- Same as above but with a minimum of 20% of the total material value.

### How EVERLAST Can Contribute:

EVERLAST Performance Flooring Systems are manufactured in Lancaster, PA. All product components, including both SBR and EPDM rubber are manufactured on-site.

### Potential Strategies:

Establish a project goal for locally sourced materials and identify materials and material suppliers that can achieve this goal. During construction, ensure that the specified local materials are installed and quantify the total percentage of local materials installed.



To determine if EVERLAST qualifies for this credit, please call 1-888-383-7655 for a complete listing of areas within a 500 mile radius.

### Definition of LEED-NC Credit EQ 4.1:

#### **EQ 4.1** ... (1 point)

- Adhesives and sealants must be lower than the current VOC content limits of South Coast Air Quality Management District (SCAQMD) Rule #1168.

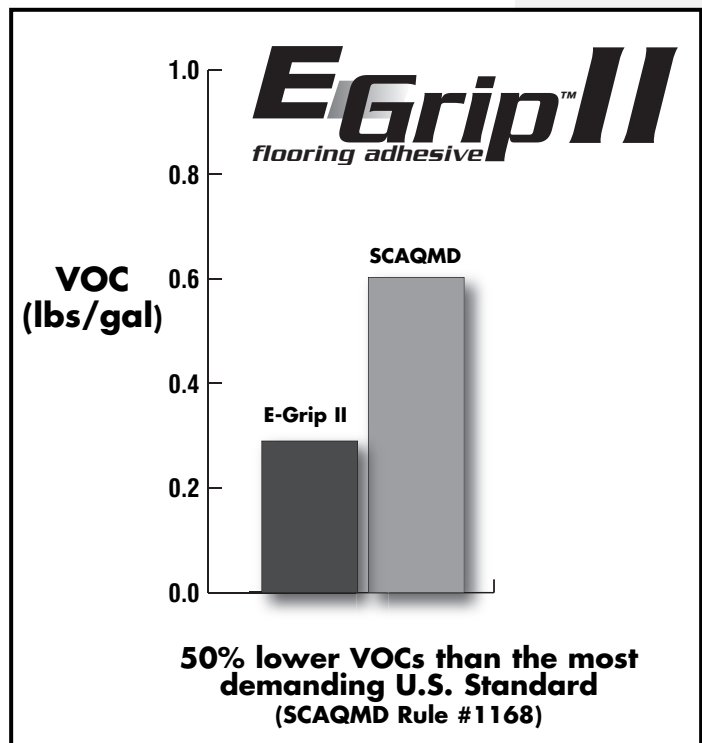
### Potential Strategies:

Specify low-VOC materials in construction documents. Ensure that VOC limits are clearly stated in each section where adhesives and sealants are used.

### How EVERLAST Can Contribute:

E-Grip II is a low-VOC, one component urethane adhesive that delivers 50% lower VOCs than the most demanding standard (SCAQMD Rule #1168).

E-Grip II is a moisture cured, non-sag, permanently elastic adhesive that has excellent adhesion to elastomers, concrete and wood, and is engineered for indoor and outdoor applications. It offers excellent trowelability, superior tack properties and is formulated specifically for use with EVERLAST Performance Flooring Systems.



# LEED-CI & LEED-EB: Two New Rating Systems

## Key Differences Between LEED-NC, LEED-CI & LEED-EB

In November 2004, the USGBC released two additional ratings systems (LEED-CI and LEED-EB) to accompany LEED-NC. All three programs are part of a comprehensive suite of LEED® green building rating tools the USGBC has developed to promote green design, construction and operations practices in buildings nationwide.

LEED for Commercial Interiors (LEED-CI) addresses the specifics of tenant spaces in office, retail and institutional buildings.

LEED for Existing Buildings (LEED-EB) addresses the sustainable operation of existing buildings, and covers building operations and systems upgrades in existing buildings where the majority of interior or exterior surfaces remain unchanged.

LEED-NC	LEED-CI	LEED-EB
<i>General</i>		
Applies to whole buildings	Applies to tenant improvements of new or existing office space	Applies to facility management policies and measured performance
<i>Materials and Resources</i>		
<b>MR 2:</b> 1 point if 50% of construction debris is diverted from landfills; 2 points for 75%	<b>MR 2:</b> Same as NC	<b>MRc2</b> offers points for green purchasing, including building materials, at a rate of 1 point for each 10% of confirming purchases. Points may be earned by specifying EVERLAST through the following criteria: <ul style="list-style-type: none"> <li>• Materials contain at least 10% post-consumer or 20% pre-consumer material</li> <li>• Contains at least 50% materials harvested and processed or extracted and processed within 500 miles of the project</li> </ul>
<b>MR 4:</b> 1 point if 10% of all materials contain recycled content; 2 points for 20%	<b>MR 4:</b> Same as NC	
<b>MR 5:</b> 1 point for using 10% of the materials that are extracted, harvested or recovered, as well as manufactured within 500 miles of project site; 2 points for 20%	<b>MR 5.1:</b> 1 point for using 20% of building materials that are manufactured within a 500 mile radius	
	<b>MR 5.2:</b> 1 additional point for using 10% of locally manufactured materials that are extracted or harvested within a 500 mile radius	
<i>Indoor Environmental Quality</i>		
<b>EQ 4.1:</b> 1 point for using adhesives and sealants that meet SCAQMD	<b>EQ 4.1:</b> Same as NC; 1 point for using adhesives and sealants that meet SCAQMD and aerosol adhesives that meet Green Seal Standard GS-36	<b>MRc3</b> provides up to 2 points for using low-emitting materials. One point may be obtained for each 45% of annual purchases calculated on a dollar value that conform to the same categories as NC (including using adhesives with a VOC content less than SCAQMD).

For complete LEED credit information please refer to [www.USGBC.org](http://www.USGBC.org).



ECORE, the manufacturer of EVERLAST, was founded in 1989. Located in Lancaster, PA, ECORE is the largest user of scrap tire rubber in North America and annually recycles over 80 million pounds of scrap tire rubber, helping conserve more than 1 million barrels of oil to make viable solutions for the commercial, consumer and industrial markets.

ECORE is committed to operating its business and facilities in a manner that uses resources wisely and protects the quality of the environment and the health and safety of associates, families and community.

The company is actively affiliated with U.S. Green Building Council, ASTM International, and Building for Environmental and Economic Sustainability run by the US National Institute of Standards and Technology.

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Manufactured by ECORE International.

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