

## Source Report: LEED Rating System

### U.S. Green Building Council LEED™ Green Building Rating System

The U.S. Green Building Council (USGBC) has recently launched its innovative “Leadership in Energy & Environmental Design” (LEED) Green Building Rating System.

The USGBC states, “LEED is a leading-edge system for designing, constructing and certifying the world's best buildings. Developed by the USGBC, LEED is a comprehensive system of building rating and certification that offers: Well-founded, scientific standards, Up-to-date green building training, A professional accreditation program, Knowledgeable technical support, and Prime educational and Internet resources.”

#### The LEED Rating System

LEED focuses on a number of design and construction categories which will reduce the buildings environmental footprint and have beneficial effect on occupant health.

Categories	Points Available
1. Sustainable Sites	14
2. Water Efficiency	5
3. Energy and Atmosphere	17
4. Materials and Resources	13
5. Indoor Environmental Quality	15
6. LEED Innovation Credits	<u>5</u>
Total Points Available	69

Depending on the number of points accumulated, a building may be certified as:

LEED Certified	26 - 32 points
LEED Silver	33 - 38 points
LEED Gold	39 - 51 points
LEED Platinum	52+ points

The standards are defined such that a building may become LEED Certified by using integrated building design with little or no additional first cost, while LEED Platinum may be attained by using the most advanced design and construction initiatives.

### Bentley Prince Street Products and Services

The use of Bentley Prince Street products and services will not directly result in any LEED points other than for IEQ Credit 4, but may be used in addition to other qualified building materials to meet the LEED criteria. For example, Bentley's Brabourne, Moorfield, and Hyperion with high recycled content must be aggregated with other recycled content materials such as steel, ceiling tiles, insulation, etc. to achieve LEED points. Opportunities for the use of products and services by Bentley Prince Street, Interface Flooring Systems, InterfaceAR, Re:Source and Re:Source Technologies are listed below (by LEED Section):

### Section 3: Energy and Atmosphere

#### Credit 1: Optimize Energy Performance

Nearly 15% of total LEED points are available through energy efficient design. Many people with experience with LEED view under floor air distribution, as is available with InterfaceAR products, as a key strategy in achieving higher levels of energy efficiency and therefore, more LEED points.

## Source Report: LEED Rating System

### Section 4: Materials and Resources

#### Credit 2: Construction Waste Management

Though a small portion of the total requirement, Interface's Re:Source Americas can develop examples of construction waste management plans to appropriately minimize and manage carpet installation waste.

#### Credit 4: Recycled Content

Significant recycled content credit can be attained by specifying Bentley and Prince Street products Brabourne, Moorfield, Hyperion, Balance, Castle Bay, Epic and Producer. In addition, some Bentley Prince Street tile products and all 50cm Interface Flooring Systems products can be specified with GlasBac RE recycled PVC backing. For more details, see the Bentley Prince Street Recycled Content Document.

#### Credit 5: Local/Regional Materials

Credits are available if the products are made within a 500-mile radius of the building project. Please refer to regional maps for projects containing broadloom carpet on the West Coast (City of Industry, California), modular carpet products in the Southeast (LaGrange, Georgia) and Northeast (Belleville, Ontario, Canada) and access flooring products in the Northeast (Grand Rapids, MI and Baltimore, MD).

#### Credit 6: Rapidly Renewable Materials

In development in several divisions of Interface, Inc. are products containing wool, hemp and polylactic acid (PLA) fibers that will qualify for this credit.

### Section 5: Indoor Environmental Quality

#### Credit 4: Low-Emitting Materials

Carpet: All Bentley Prince Street and Interface Flooring Systems products meet this criterion.

Adhesives: All Bentley Prince Street Healthbond and approved adhesives have been specifically formulated to meet the indoor Environmental Quality criteria of the SCAQMD rule #1168, thus satisfying Indoor Environmental Quality Credit 4.1.

#### Credit 5: Indoor Chemical and Pollutant Source Control

In certain settings, Interface Foyer, Flor-S and Super Flor-S products inset in designed walk off areas may meet this criterion and be a less expensive alternative to engineered entrance grating systems.

#### Credit 7: Thermal Comfort

InterfaceAR under floor air distribution systems can help meet the criterion for this credit.

### Section 6: LEED Innovation Credits - Up to 4 Credits

Under certain conditions, innovations such as the Interface Evergreen™ Service Agreement and advanced microbial control techniques for Indoor Environmental Quality may be used to help achieve LEED innovation credits.

### U.S. Green Building Council

The U.S. Green Building Council is the building industry's only balanced, nonprofit, consensus coalition promoting the understanding, development and accelerated implementation of Green Building policies, programs, technologies, standards and design practices. Interface, Inc. is a Charter Member of this organization, and Jim Hartzfeld of Interface currently serves on its Board of Directors.

For more information about the Council, please refer to <http://www.usgbc.org> or forward questions to [Jim.Hartzfeld@us.interfaceinc.com](mailto:Jim.Hartzfeld@us.interfaceinc.com).

## Source Report: LEED Rating System

### Carpet's Impact on LEED Criteria

LEED 2.1	Carpet Impact Analysis
<b>Materials &amp; Resources</b> <b>Credit 1:</b> Building Reuse	<b>Negligible Impact</b> – To earn this point, the project team must reuse at least 50% of non-shell items in the building. Even if carpet can be removed and repurposed, it constitutes only a small portion of non-shell items, and will therefore have a negligible impact on this credit.
<b>Materials &amp; Resources</b> <b>Credit 2.1:</b> Construction Waste Management	<b>Negligible Impact</b> – To earn this point, the project team must recycle or salvage at least 50% (by weight) of the total construction, demolition and land clearing waste. Even if the carpet can be recycled, it constitutes a negligible portion of the total weight to be recycled.
<b>Materials &amp; Resources</b> <b>Credit 4.1:</b> Recycled Content	<b>Negligible Impact</b> – To earn this point, the design team must use materials such that the sum of the post-consumer recycled content plus one-half of the post-industrial content constitutes at least 5% of the total value of the materials in the project. Just like in LEED 2.0, carpet must be aggregated with all other recycled content materials such as concrete, steel, brick, roofing, etc. Carpet's role in this credit is minimal and would therefore have negligible impact.
<b>Materials &amp; Resources</b> <b>Credit 5:</b> Local Materials	<b>Negligible Impact</b> – To earn this point, a minimum of 20% of the building materials must be manufactured within a 500-mile radius. The calculation methodology used to determine this percentage is regional material cost divided by total material cost. Even if the carpet is manufactured locally, the dollar value of the carpet is so low in relation to the total building cost that the carpet would have a negligible impact on this credit.
<b>IEQ Credit 4.3:</b> Low Emitting Materials – Carpet	<b>One Point</b> – To earn this point, carpet must meet or be lower than the current VOC content limits of the Carpet and Rug Institute (CRI) Green Label Indoor Air Quality Test Program. Many carpet products meet this requirement.
<b>LEED Innovation Credits</b>	<b>No Credit Available</b> – The purpose of this category is to recognize projects for innovative building features and sustainable building knowledge that greatly exceed the requirements of existing LEED credits. To earn a point in this category, the LEED Project Team must identify specific strategies and measures that they have implemented that are not addressed in any of the other LEED credits. Carpet is not a significant enough factor to qualify for innovation points.

### More information

For more information, please contact your local Bentley Prince Street sales representative at 800.423.4709 or visit us on the web at [www.bentleyprincestreet.com](http://www.bentleyprincestreet.com).