



## LEED Credits with Rmax Insulation

In the early 1990's the U. S. Green Building Council (USGBC) developed the Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ as the nationally accepted benchmark for the design, construction and operation of high performance green buildings. The LEED Rating System establishes basic requirements for the various aspects of sustainable design and helps professionals across the country improve the quality of our buildings and their impact on the environment. In 1999 the U. S. Green Building Council published the first Rating System for New Construction & Major Renovations (LEED-NC). The latest revision, LEED v3, was launched in April 2009.

Rmax polyisocyanurate products offer opportunities to obtain LEED credits by virtue of their:

- High Thermal Efficiency
- CFC-, HCFC- and HFC-free
  - Zero Ozone Depletion Potential
  - Negligible Global Warming Potential
- Recycled Content
- Rapidly Renewable Content
- Utilization of Certified Wood Components

Using Rmax insulation may gain credits under three of LEED's six rating categories: Energy & Atmosphere, Materials & Resources, and Innovation & Design Process. Here are suggestions on how to gain LEED credits by incorporating Rmax polyisocyanurate insulation in a LEED building design:

### **Energy & Atmosphere, Prerequisite 2, Minimum Energy Performance:**

The high R-Value of polyisocyanurate roof and wall insulation products facilitates compliance with ASHRAE Standard 90.1-2007.

### **Energy & Atmosphere, Credit 1, Optimize Energy Performance:**

The high R-Values of polyisocyanurate insulation can aid in achieving increased levels of energy performance above the baseline prerequisites to further reduce environmental and economic impacts associated with excessive energy use.

### **Materials & Resources, Credit 2, Construction Waste Management:**

Polyisocyanurate roof insulation can often be reused when building renovations include recover roof applications or partial tear-offs. If the total percentage of reused materials in a project does not meet the minimum levels stated in Materials and Resources, Credit 1, Building Reuse, these reuse activities may be applied to this credit.

### *Corporate & Sales Office*

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**Materials & Resources, Credit 3, Materials Reuse:**

Polyiso can be and often is reused in order to reduce the demand for virgin materials and reduce waste.

**Materials & Resources, Credit 4, Recycled Content:**

Rmax insulations may be used for credit towards recycled content. All Rmax products contain a certain amount of "post-industrial" content, and some contain "post-consumer" content as well. The overall recycle content of Rmax products varies depending on the thickness, raw material sources, and manufacturing location. Based on an average from all of Rmax's manufacturing locations, Thermasheath®-3 has a "post-industrial" content of 12-17% by weight while Multi-Max® FA-3 has "post-industrial" content of 11-17% and "post-consumer" content of 9-33% by weight. Contact Rmax for the recycled content of specific products and thicknesses.

**Materials & Resources, Credit 5, Regional Materials:**

Insulation products that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of the job site may be eligible for this credit.

**Materials & Resources, Credit 6, Rapidly Renewable Materials:**

Rmax Eco-Max contains a minimum of eight (8) percent rapidly renewable materials which may be applied to this credit.

**Materials & Resources, Credit 7, Certified Wood:**

When specified, Rmax Nailable Base-3 and Vented Nailable Base-3 products may be fabricated using wood certified by the Forest Stewardship Council.

**Innovation & Design Process, Credit 1, Innovation in Design:**

Since Rmax polyisocyanurate insulation is a high performing thermally efficient product that is CFC-, HCFC- and HFC-free with zero ozone depletion and negligible global warming potential, using Rmax instead of other insulations not having these characteristics may allow credit for innovation in design. In addition, since Rmax Eco-Max also contains a minimum of eight (8) percent rapidly renewable content, using Rmax Eco-Max instead of other insulations not having these characteristics may allow credit for innovation in design.

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