

**GREENBLOCK Potential LEED Contribution -  
 LEED for New Construction & Major Renovations v3  
 (LEED-NC v3)**

The United States Green Building Council (USGBC) has recently released the latest version of the Leadership in Energy and Environmental Design (LEED) Rating System for New Construction & Major Renovations - LEED-NC v3. Beginning in June 2009 all new LEED projects in the United States are required to comply to the latest LEED rating systems.

Below is a summary of GREENBLOCK ICFs potential contribution to LEED-NC v3 projects. The use of Greenblock ICFs on a project can potentially contribute up to 30\* of the 40 points required to achieve LEED certification. For more information on the LEED Rating Systems go to our web site at [www.greenblock.com](http://www.greenblock.com), or visit [www.usgbc.org](http://www.usgbc.org).

**LEED POINTS WITH GREENBLOCK ICF: LEED-NC v3**

<b>SUSTAINABLE SITES</b>	<b>Points</b>	<b>Comments</b>
Site Development: Protect or Restore Habitat	n/a	<ul style="list-style-type: none"> <li>Although these points may not apply to GREENBLOCK ICFs, the wall bracing used is one of a combination of actions that, together, can result in proper protection or restoration of natural areas around the job site.</li> <li>GREENBLOCK is typically placed within the building perimeter. This type of assembly avoids disturbance to existing natural areas and keeps construction activity close to the building perimeter.</li> </ul>

<b>ENERGY &amp; ATMOSPHERE</b>	<b>Points</b>	<b>Comments</b>
Optimize Energy Performance	Up to 19	<p>The combination of EPS foam insulation and the thermal mass properties of the concrete provide:</p> <ul style="list-style-type: none"> <li>High thermal resistance for a GREENBLOCK wall system – R18-24 (prescriptive) depending on product type. (35+ effective R value - performance).</li> <li>Reduction in the peak heating and cooling loads on the building.</li> <li>Air tight structure which reduces air leakage and energy use.</li> </ul>

<b>MATERIALS &amp; RESOURCES</b>	<b>Points</b>	<b>Comments</b>
Building Reuse: Maintain 55% to 95% of Existing Walls, Floors & Roofs	Up to 3	Can apply to existing GREENBLOCK walls that make up a large part of the existing structure or building shell. Concrete walls generally have a long life span, and tend to stay in place during renovations.
Building Reuse: Maintain 50% of Interior Non-structural Elements	1	Can apply to interior non-load bearing GREENBLOCK walls.
Construction Waste Management: Divert 50% to 75% from Disposal	Up to 2	GREENBLOCK ICFs produce minimal on-site construction waste. Any on-site waste can be fully recycled at one of many EPS recycling facilities throughout North America.
Recycled Content: 10% to 20% (post-consumer + 1/2 pre-consumer)	Up to 2	GREENBLOCK web-ties are made of 100% recycled polypropylene plastic.
Regional Materials: 10% to 20% Extracted, Processed & Manufactured Regionally	Up to 2	GREENBLOCK currently has 7 manufacturing facilities throughout North America. The concrete is supplied through local suppliers. Up to 2 pts can be awarded.

<b>INDOOR ENVIRONMENT QUALITY</b>	<b>Points</b>	<b>Comments</b>
Minimum Indoor Air Quality Performance	1	ICFs help create air tight structures which make air flow and ventilation easier to control and monitor. The reduction in airborne particles and dust provides a healthier, more comfortable environment for occupants, as well as a reduction in HVAC capacity.
Increased Ventilation		
Thermal Comfort: Design		
Thermal Comfort: Verification		
<b>TOTAL LEED-NC V3*</b>	<b>30</b>	

\*The total LEED point contribution from the use of GREENBLOCK ICFs is a best estimate based on available information and test data. The actual LEED point contribution may change based on project specifics, and should be determined by a LEED Accredited Professional for each project seeking LEED accreditation.