Insulation is the most economical solution for building energy efficiency in any climate.
### LEED® Prerequisites and Credits

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>FIBER GLASS, ROCK WOOL &amp; SLAG WOOL CONTRIBUTION</th>
<th>POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy &amp; Atmosphere</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prerequisite EA 1.1: Optimize Energy Performance</td>
<td>Meet the performance requirements of an ENERGY STAR labeled home.</td>
<td>Required</td>
</tr>
<tr>
<td>EA Credit 1.2: Exceptional Energy Performance</td>
<td>Exceed the performance of ENERGY STAR for Homes. Use equations relating the Home Energy Standards (HERS) index to the appropriate number of LEED points.</td>
<td>Maximum 34 Points</td>
</tr>
<tr>
<td>Prerequisite EA 2.1: Basic Insulation</td>
<td>Insulation must meet or exceed the R-value requirements of the 2004 IECC; Grade II installation specifications; and be verified by an energy rater or Green Rater.</td>
<td>Required</td>
</tr>
<tr>
<td>EA Credit 2.2: Enhanced Insulation</td>
<td>Insulation that exceeds R-value requirements of the 2004 IECC by at least 5% and meets Grade I installation specifications.</td>
<td>2 Points</td>
</tr>
<tr>
<td>Prerequisite EA 5.1A: Forced-Air Systems Reduced Distribution Losses</td>
<td>Use at least R-6 insulation around ducts in unconditioned spaces. Use extra insulation around ducts in exterior walls.</td>
<td>Required</td>
</tr>
<tr>
<td>Prerequisite EA 5.1B: Nonducted HVAC Systems Reduced Distribution Losses</td>
<td>Use at least R-3 insulation around distribution pipes in unconditioned spaces.</td>
<td>Required</td>
</tr>
<tr>
<td>EA Credit 6.2: Very High Efficiency HVAC</td>
<td>Piping designed as part of a heat pump system must have R-4 insulation or greater.</td>
<td>Maximum 4 Points</td>
</tr>
<tr>
<td>EA Credit 7.1: Efficient Hot Water Distribution</td>
<td>Central manifold trunk must be insulated to at least R-4.</td>
<td>2 Points</td>
</tr>
<tr>
<td>EA Credit 7.2: Pipe Insulation</td>
<td>All domestic hot water piping shall have R-4 insulation.</td>
<td>1 Point</td>
</tr>
</tbody>
</table>
### Materials & Resources

**MR Credit 2.2: Environmentally Preferable Products**

Insulation in roofs, floors and walls

- Must comply with the State of California, DHS, “Practice for Testing of VOCs From Building Materials Using Small Chambers.”
- Recycled content of 20% or more.
- Extracted, processed and manufactured within 500 miles of the home.

Fiber glass insulation contains upward of 40% recycled glass. Slag wool contains approximately 70% recycled content. ISO 14001 certified or equivalent fiber glass, rock wool and slag wool manufacturing facilities located throughout North America contribute to points. Many areas in the U.S. and Canada are within 500 miles of a fiber glass or rock wool and slag wool plant. Most fiber glass and rock wool and slag wool insulation plants are in close proximity to their raw and secondary material sources.

**Indoor Environmental Quality**

**EQ Credit 1: ENERGY STAR with Indoor Air Package**

Improve the overall quality of a home’s indoor environment by specifying environmentally preferred products with low emissions and local production (0.5 points each, max. 8 points). See M.R. Credit 2.2: Environmentally Preferable Products.

Fiber glass, rock wool and slag wool insulation contains no added formaldehyde or they are certified for low emissions by a third party program such as GREENGUARD Environmental Institute’s Children and Schools Certification Program or the Scientific Certifications System’s (SCS) Indoor Advantage Gold Certification. They may also qualify for local production credit.

**Innovation & Design Process**

**ID Credit 1.3: Innovative or Regional Design**

Minimize the environmental impact of the home by incorporating additional green design and construction measures such as noise control that contributes to environmental quality and is beyond current LEED for Homes considerations.

Fiber glass, rock wool and slag wool insulation can be used in innovative designs that have both environmental and health benefits. One consideration is in the area of noise control. Congressional findings conclude that noise jeopardizes the health and welfare of the nation’s population and impacts the environment. These insulation products can improve indoor acoustic comfort by absorbing noises from exterior sources, interior sources, mechanical heating and cooling systems and from adjoining units.

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**DISCLAIMER:** NAIMA can not and does not guarantee compliance with LEED through the use of its products. For guidance on qualifying for LEED, work with a LEED AP consultant.
## NAIMA Member

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Fax: (52 + 55) 5203-4739  
www.rolan.com

**Amberrock Products LP**  
# 1 Jackrabbit Road  
P.O. Box C  
Nolanville, Texas 76559  
800-762-9665  
www.amerrock.com

**CertainTeed Corp.**  
750 E. Swedesford Road  
Valley Forge, PA 19482  
800-233-8990  
www.certainteed.com

**FiberTEK Insulation**  
925 South 4400 West  
Salt Lake City, UT 84104  
801-973-9423  
www.fibertekinsulation.com

**Fibrex Insulations, Inc.**  
561 Scott Road  
Sarnia, Ontario  
Canada N7T 7L4  
800-265-7514  
www.fibrex.org

**Guardian Building Products, Inc.**  
P.O. Box 207  
Greenville, SC 29602  
800-569-4262  
www.guardianbp.com

**Industrial Insulation Group, LLC**  
2100 Line Street  
Brunswick, GA 31520  
912-264-6372  
www.iig-llc.com

**Isolatek International**  
41 Furnace Street  
Stanhope, NJ 07874  
973-347-1200  
www.isolatek.com

**Johns Manville**  
717 17th Street  
P.O. Box 5108  
Denver, CO 80217  
800-654-3103  
www.jm.com

**Knauf Insulation**  
One Knauf Drive  
Shelbyville, IN 46176  
800-825-4434  
www.knaufinsulation.us

**Owens Corning**  
One Owens Corning Parkway  
Toledo, OH 43659  
800-GET-PINK  
www.owenscorning.com

**Rock Wool Manufacturing Co.**  
203 7th Street, N.E.  
Leeds, AL 35094  
205-699-6121  
www.deltainsulation.com

**Roxul, Inc.**  
420 Bronte St., South, Unit 105  
Milton, Ontario  
Canada L9T 0H9  
800-265-6878  
www.roxul.com

**Sloss Industries Corp.**  
3500 35th Avenue North  
Birmingham, AL 35207  
205-808-7803  
www.sloss.com

**Thermafiber, Inc.**  
3711 Mill Street  
Wabash, IN 46992  
888-834-2371  
www.thermafiber.com

**USG Interiors, Inc.**  
125 S. Franklin Street  
Chicago, IL 60606  
312-606-4000  
www.usg.com

## Insulation Products

- Mineral wool pipe insulation  
- Loose mineral wool insulation  
- Mineral wool insulation boards  
- OEM insulation fabrication

- Mineral wool blowing wool insulation  
- Mineral wool foundation insulation  
- Horticultural wool

- Fiber glass building insulations  
- Fiber glass pipe and board insulations  
- Fiber glass duct insulations  
- Fiber glass metal building insulations  
- Fiber glass aerospace insulations

- Rock wool board, pipe and blanket insulations  
- Rock wool roof insulations  
- Rock wool marine insulations

- Rock wool building insulations  
- Rock wool pipe and board insulations  
- Rock wool commercial insulations  
- Rock wool roof insulations

- Fiber glass batt insulation  
- Fiber glass blow-in and heavy-density loose-fill insulation

- Rock wool board, pipe and blanket insulations  
- Rock wool marine insulations  
- Rock wool commercial insulations  
- Rock wool blowing insulation

- Fiber glass insulation products for residential, commercial and light industrial application  
- Faced and unfaced batts and rolls

- Slag wool building insulations  
- Slag wool pipe and board insulations  
- Slag wool commercial insulations

- Slag wool insulations (bulk)  
- Slag wool ceiling tiles  
- Slag blowing wool insulation

- Slag wool fire-acoustical-thermal spray systems  
- Commercial building insulation  
- Slag wool industrial and OEM fibers and insulations  
- Slag wool residential insulation

- Slag wool ceiling tiles  
- Mineral fiber board

## About NAIMA

NAIMA is the association for North American manufacturers of fiber glass, rock wool, and slag wool insulation products. Its role is to promote energy efficiency and environmental preservation through the use of fiber glass, rock wool, and slag wool insulation, and to encourage the safe production and use of these materials.

## For more information, contact:

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