

LEED® 2.2. NC – New Construction and Major Renovations

Credit Opportunities for Fiber Glass, Rock Wool and Slag Wool Insulation Products

Insulation is the most economical solution for building energy efficiency¹

NAIMA
NORTH AMERICAN INSULATION
MANUFACTURERS ASSOCIATION



www.naima.org
www.SimplelyInsulate.com
www.PipeInsulation.org



LEED® Prerequisites and Credits

CATEGORY	FIBER GLASS, ROCK WOOL & SLAG WOOL CONTRIBUTION	POINTS
Energy & Atmosphere		
<p>EA Prerequisite 2: Minimum Energy Performance Design the building envelope, HVAC, lighting, and other systems to maximize energy performance.</p> <p>The ASHRAE Standard 90.1-2004 User's Manual contains worksheets that can be used to document compliance with this prerequisite.</p>	<p>Fiber glass, rock wool and slag wool insulation helps reduce building energy demands and facilitates compliance with ASHRAE 90.1–2004 and local energy codes.</p>	Required
<p>EA Credit 1: Optimize Energy Efficiency Performance Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.</p>		<p>10 Possible Points. (Points Depend on Energy Saved.) Two (2) Points Mandatory for all LEED for New Construction Projects Registered After June 26, 2007.</p> <p>Up to 19 Possible Points (LEED 3.0, 2009)</p>
Materials & Resources		
<p>MR Credit 2.1: Construction Waste Management: Divert 50% From Disposal Consider recycling cardboard, metal, brick, acoustical tile, concrete, plastic, clean wood, glass, gypsum wallboard, carpet and insulation.</p>	<p>Reuse or recycle insulation to help divert 50% or 75% of waste from landfills. Fiber glass, rock wool and slag wool batts can be reused in some circumstances and can be recycled if the infrastructure exists.</p>	1 Point
<p>MR Credit 2.2: Construction Waste Management: Divert 75% From Disposal Consider recycling cardboard, metal, brick, acoustical tile, concrete, plastic, clean wood, glass, gypsum wallboard, carpet and insulation.</p>		1 Point in Addition to MR Credit 2.1
<p>MR Credit 4.1 Recycled Content: 10% (Post-Consumer + 1/2 Pre-Consumer)</p>	<p>Fiber glass contains 30-40% pre- and post-consumer glass (known as cullet). Slag wool contains an average of 70% blast furnace slag. Typically, rock wool insulation is comprised of a minimum of 70-75% natural rock. The remaining volume of raw material is blast furnace slag.</p>	1 Point
<p>MR Credit 4.2 Recycled Content: 20% (Post-Consumer + 1/2 Pre-Consumer)</p>		1 Point in Addition to MR Credit 4.1

¹ A Cost Curve for Greenhouse Gas Reductions, The McKinsey Quarterly, Number 1, 2007.

emitted into the atmosphere. They are the most thoroughly researched and studied insulation products on the market.

CATEGORY	FIBER GLASS, ROCK WOOL & SLAG WOOL CONTRIBUTION	POINTS
Materials & Resources <i>(continued)</i>		
<p>MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally 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 materials' value.</p>	<p>39 U.S. NAIMA member manufacturing plants and 8 Canadian plants contribute to points. Many areas of the U.S. and Canada are within 500 miles of a fiber glass or rock wool and slag wool plant. Most fiber glass, rock wool and slag wool insulation plants are in close proximity to their raw materials and secondary material sources.</p> <p>Check with the individual NAIMA member insulation manufacturer for specific qualification.</p>	1 Point
<p>MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for an additional 10% beyond MR Credit 5.1 (total of 20%, based on cost).</p>		1 Point in Addition to MR Credit 5.1
<p>MR Credit 6: Rapidly Renewable Materials Use rapidly renewable building materials and products for 2.5% of the total value of all building materials and products used in the project (based on cost).</p>		None At This Time
Indoor Environmental Quality		
<p>EQ Credit 3.2: Construction IAQ Management Plan: Before Occupancy The air testing option requires testing for formaldehyde and other toxins.</p>	<p>Fiber glass, rock wool and slag wool insulation may contribute to Indoor Air Quality (IAQ) points. A wide range of products contain no added formaldehyde or are certified for low emissions by GREENGUARD. Check with your LEED AP consultant.</p>	1 Point
Innovation & Design Process		
<p>ID Credit 1.1-1.4: Innovation in Design Substantially exceed a LEED or New Construction performance credit such as energy performance or water efficiency. Apply strategies or measures that demonstrate a comprehensive approach and quantifiable environment and/or health benefits.</p>	<p>Fiber glass, rock wool and slag wool can be used in innovative designs that have contributed to maximum thermal and acoustical efficiency of the building envelope and which have environmental benefits, as well as safety and health benefits.</p>	1-4 Points

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**Insulation Products****NAIMA Member****Insulation Products**

Aislantes Minerales, S.A. de C.V. Descartes #104, Neuva Anzures 11590 D.F., México Tel: 52-55-1036-0640 Fax: (52 + 55) 5203-4739 www.rolan.com	<ul style="list-style-type: none"> • Mineral wool pipe insulation • Loose mineral wool insulation • Mineral wool insulation boards • OEM insulation fabrication 	Johns Manville 717 17th Street P.O. Box 5108 Denver, CO 80217 800-654-3103 www.jm.com	<ul style="list-style-type: none"> • Fiber glass building insulations • Fiber glass pipe and board insulations • Fiber glass duct insulations • Fiber glass metal building insulations • Fiber glass aerospace insulations
Amerrock Products LP # 1 Jackrabbit Road P.O. Box C Nolanville, Texas 76559 800-762-9665 www.amerrock.com	<ul style="list-style-type: none"> • Mineral wool blowing wool insulation • Mineral wool foundation insulation • Horticultural wool 	Knauf Insulation One Knauf Drive Shelbyville, IN 46176 800-825-4434 www.knaufinsulation.us	<ul style="list-style-type: none"> • Fiber glass building insulations • Fiber glass pipe and board insulations • Fiber glass duct insulations • Fiber glass metal building insulations
CertainTeed Corp. 750 E. Swedesford Road Valley Forge, PA 19482 800-233-8990 www.certainteed.com	<ul style="list-style-type: none"> • Fiber glass building insulations • Fiber glass board insulations • Fiber glass duct insulations • Fiber glass metal building insulations 	Owens Corning One Owens Corning Parkway Toledo, OH 43659 800-GET-PINK www.owenscorning.com	<ul style="list-style-type: none"> • Fiber glass building insulations • Fiber glass pipe and board insulations • Fiber glass duct insulations • Fiber glass metal building insulations
FiberTEK Insulation 925 South 4400 West Salt Lake City, UT 84104 801-973-9423 www.fibertekininsulation.com	<ul style="list-style-type: none"> • Fiber glass batt insulations • Fiber glass blow-in and heavy-density loose-fill insulation 	Rock Wool Manufacturing Co. 203 7th Street, N.E. Leeds, AL 35094 205-699-6121 www.deltainsulation.com	<ul style="list-style-type: none"> • Slag wool building insulations • Slag wool pipe and board insulations • Slag wool commercial insulations
Fibrex Insulations, Inc. 561 Scott Road Sarnia, Ontario Canada N7T 7L4 800-265-7514 www.fibrex.org	<ul style="list-style-type: none"> • Rock wool board, pipe and blanket insulations • Rock wool roof insulations • Rock wool marine insulations 	Roxul, Inc. 420 Bronte St., South, Unit 105 Milton, Ontario Canada L9T 0H9 800-265-6878 www.roxul.com	<ul style="list-style-type: none"> • Rock wool building insulations • Rock wool pipe, board and blanket insulations • Rock wool roof insulations
Guardian Building Products, Inc. P.O. Box 207 Greenville, SC 29602 800-569-4262 www.guardianbp.com	<ul style="list-style-type: none"> • Fiber glass insulation products for residential, commercial and light industrial application • Faced and unfaced batts and rolls 	Sloss Industries Corp. 3500 35th Avenue North Birmingham, AL 35207 205-808-7803 www.sloss.com	<ul style="list-style-type: none"> • Slag wool insulations (bulk) • Slag wool ceiling tiles • Slag blowing wool insulation
Industrial Insulation Group, LLC 2100 Line Street Brunswick, GA 31520 912-264-6372 www.iig-llc.com	<ul style="list-style-type: none"> • Mineral wool board, pipe and blanket insulations • Mineral wool marine insulations • Mineral wool commercial insulations • Mineral wool blowing insulation 	Thermafiber, Inc. 3711 Mill Street Wabash, IN 46992 888-834-2371 www.thermafiber.com	<ul style="list-style-type: none"> • Commercial building insulation • Slag wool industrial and OEM fibers and insulations
Isolatek International 41 Furnace Street Stanhope, NJ 07874 973-347-1200 www.isolatek.com	<ul style="list-style-type: none"> • Slag wool insulations (bulk) • Slag wool fire protection (sprayed) • Slag wool building insulations (sprayed) 	USG Interiors, Inc. 125 S. Franklin Street Chicago, IL 60606 312-606-4000 www.usg.com	<ul style="list-style-type: none"> • 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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Celebrating 75 Years
of Energy Efficiency



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