

Polyiso Insulation Benefits in LEED Certified Design



Helping you achieve LEED[®] Certification

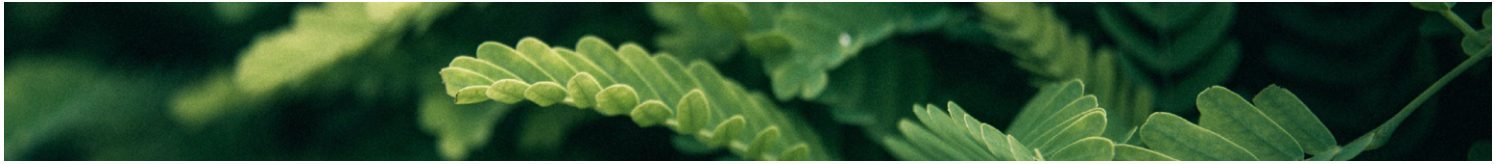
As a leader in the building products industry, Atlas[®] is committed to sustainability and compliance with environmental standards and regulations. This LEED Resources document is provided to support the efforts of the U.S. Green Building Council to develop a sustainable, prosperous future through the use of LEED BD+C, a leading program for green buildings and communities.



LEED v4.1 establishes requirements for material and design components that promote sustainable design and minimize impact on the environment and human health. Credits or points are earned for meeting specific milestones in various categories, including **Energy and Atmosphere (EA)**, **Materials and Resources (MR)**, and **Indoor Environmental Quality (EQ)**.



EnergyShield Polyiso Continuous Wall Insulation Products are an ideal choice for LEED certified building designs due to their **high thermal efficiency**, **zero ozone depletion potential**, and **negligible global warming potential**. In addition, EnergyShield Products are **UL GREENGUARD Gold certified**, the industry's most rigorous standards for indoor air quality.



The use of EnergyShield Polyiso Continuous Wall Insulation Products will impact the following credits in LEED certified buildings:

	LEED CREDIT CATEGORY		POTENTIAL CONTRIBUTION	ATLAS ENERGYSHIELD PRODUCTS CONTRIBUTION
ENERGY & ATMOSPHERE (EA)	Minimum Energy Performance		Required Prerequisite	Thermally efficient polyiso insulation boards facilitate compliance with ASHRAE 90.1 and International Energy Conservation Code (IECC).
	Optimize Energy Performance		1-20 Points	Polyiso offers one of the highest thermal resistance per inch of material optimizing the economical contribution of exceptional energy performance and prevention of thermal bridging.
MATERIALS & RESOURCES (MR)	Construction Waste Management		1-2 Points	To reduce material waste, product can be produced to project specific dimensions or cut in various sizes to optimize product usage onsite.
	Building Life-Cycle Impact Reduction	Option 1: Building and Material Reuse	1-5 Points	Polyiso may be reused or salvaged depending on its original use helping to reduce waste and demand for virgin materials.
		Option 2: Whole-Building Life-Cycle Assessment	1-4 Points	The manufacturing process of polyiso doesn't negatively impact ozone or global warming, plus lifecycle assessment data is available in LEED tools for efficient project management.
	Environmental Product Declarations		1 Point	Atlas has third-party certified industry-wide EPD for both roof and wall polyiso insulation.
	Sourcing of Raw Materials	Recycled Content	1-2 Points	EnergyShield Products are produced with pre-consumer recycled content and is based on product and overall dimensions.
		Certified Wood		Projects that use EnergyShield Products bonded to FSC-certified wood can contribute to this credit.
Regional Materials		With eight polyiso insulation manufacturing sites across North America , Atlas can often offer shorter shipping distances to project sites.		
Material Ingredient Reporting		1 Point	Various EnergyShield Products offer material ingredients disclosure and certification through Declare label program.	
INDOOR ENVIRONMENTAL QUALITY (EQ)	Low-Emitting Materials		1-3 Points	Polyiso maintains environmentally conscience formulations that produce no VOC emissions. And EnergyShield products carry the distinctive UL GREENGUARD Gold certification.
	Thermal Comfort		1 Point	High performing polyiso insulation promotes occupant comfort by design.

Note: No individual material enables a credit point to be taken within LEED because each category is dependent on the aggregate of all materials and their proportionate relationship to the total dollar cost.

For more information on potential LEED credits when using Atlas EnergyShield Polyiso Continuous Wall Insulation Products, contact us at wall.atlasrwi.com/support or a **local Atlas representative** to assist with your project. Additional resources and further support on LEED is available at www.USGBC.org.


ATLAS POLYISO MANUFACTURING LOCATIONS

Camp Hill, PA	LaGrange, GA	North Glenn, CO	Toronto, ON
Diboll, TX	East Moline, IL	Phoenix, AZ	Vancouver, BC

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