

# A Summary of Polyiso Benefits and Attributes

 <b>Energy Efficiency</b>	 <b>Fire Performance</b>	 <b>Environmental</b>	 <b>Ease of Use</b>	 <b>Economic</b>	 <b>Other Attributes</b>
High R-value per inch compared to other insulation products	Inherent fire resistance due to unique chemical bonds	Industry-wide Environmental Product Declaration reports available	Available third-party testing approvals for an expansive number of assemblies and applications	Meets today's code required R-values without added layers or the increased costs of thicker assemblies	Available with a variety of facer types to meet individual product needs
Published Long-Term Thermal Resistance (LTTR) values for roof insulation products	Thermoset material that does not melt or drip when exposed to flame (ASTM E84)	Contains blowing agents with zero ODP and low GWP	Available in a variety of product thicknesses and dimensions	High R-value equals thinner wall assemblies and savings with shorter fasteners	Reduces the potential for problems associated with air and moisture intrusion
Continuous insulation solution for the entire building envelope	Offers direct-to-deck attachment option for steel deck roofs (FM 4450/UL 1256)	Energy savings potential is equal to up to 47 times the product's embodied energy	Compatible with most roof and wall coverings, adhesives, and attachment systems	Wall insulation can replace the need for other air and water barrier products	Contributes to overall assembly durability and long service life
Reduces costly thermal bridges in roofs and walls when compared to cavity insulation only	Versatile insulation solution for NFPA 285-compliant wall assemblies	Recyclable through reuse where permitted and contains recycled content (varies by product)	Lightweight and easy to cut boards reduce labor costs and time	HD cover boards protect owner's investment and can reduce maintenance costs	Regionally available via a nation-wide network of manufacturing plants

## PIMA

For more than 30 years, the Polyisocyanurate Insulation Manufacturers Association (PIMA) has served as the voice of the rigid polyiso industry, proactively advocating for safe, cost-effective, sustainable, and energy-efficient construction. Organized in 1987, PIMA is an association of polyiso manufacturers and industry suppliers. Polyiso is one of North America's most widely-used and cost-effective insulation products.

For more information on polyisocyanurate insulation, visit [www.polyiso.org](http://www.polyiso.org)



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