



PIMA Announces First North American Environmental Product Declarations for Polyiso Roof and Wall Insulation

Polyiso EPDs Document Energy-Savings Potential of Polyiso Roof and Wall Insulation over a 60-year Building Life

WASHINGTON, DC, February 9, 2015 -- Consistent with its leadership in the delivery of energy-efficient and sustainable building insulation solutions, the Polyisocyanurate Insulation Manufacturers Association (PIMA) today announced the receipt of third party-verified ISO-compliant Environmental Product Declarations (EPDs) for polyisocyanurate (polyiso) roof and wall insulations as manufactured by PIMA members across North America. An EPD is an internationally recognized and standardized tool that reports the environmental impacts of products.

These EPDs document that the energy-savings potential of polyiso roof and wall insulation over a typical 60-year building life span is equal to up to 47 times the initial energy required to produce, transport, install, maintain, and eventually remove and dispose of the insulation. In addition to a high return on embodied energy, the EPDs document that polyiso roof and wall insulation offer high unit R-value per inch, zero ozone depletion potential, recycled content, opportunity for reuse and outstanding fire performance.

Beyond providing consistent and comparable environmental impact data, the PIMA polyiso EPDs also present information about additional environmental and energy characteristics, including the high net return on energy provided by polyiso roof and wall insulation.

Specifically, the polyiso EPDs describe the environmental impacts of the combined weighted average production for PIMA member manufacturing locations located across the United States and Canada, based on an established set of product category rules applicable to all types of building thermal insulation. The environmental impacts reported in the PIMA polyiso EPDs are derived from independently verified cradle-to-grave life cycle assessment (LCA) process, including all critical elements related to the resourcing, production, transport, installation, maintenance, and eventual removal and replacement of polyiso roof and wall insulation.

Using the LCA process, the PIMA polyiso roof and wall insulation products are evaluated on a number of impact categories including global warming potential, ozone depletion potential, eutrophication potential, acidification potential, and smog creation potential, as well as other environmental indicators including primary energy demand, resource depletion, waste to disposal, waste to energy, and water use.

PIMA polyiso roof and wall insulation EPDs also meet the requirements of the U.S. Green Building Council (USGBC) LEED® v4 Green Building Rating System under Credit MRC-2 Building Product Disclosure and Optimization: Environmental Product Declarations as industry-wide or generic declarations that may be valued as one-half of an eligible product for the purposes of credit calculation.

“These third party-verified EPDs for polyiso roof and wall insulation products produced by PIMA manufacturers reflect our industry’s commitment to sustainability and transparency in reporting environmental performance,” said Jared Blum, President of PIMA. “These EPDs will be a valuable tool to provide environmental information to all building and design professionals, and they should be especially helpful in meeting emerging criteria for green building design.”

The PIMA polyiso roof and wall EPDs were developed based on ISO-compliant LCA studies conducted by PE International. The Product Category Rule (PCR), or the standard under which the EPDs were developed, was published by Underwriters Laboratories (UL 110116 Product Category Rule for Building Thermal Insulation). The EPDs were third party-verified by NSF, and impact data reported in the EPDs represent the weighted average production for all PIMA members. Copies of the PIMA polyiso roof and wall insulation EPDs may be downloaded from PIMA (www.polyiso.org) and from NSF International (www.NSF.org), and are also available from PIMA members.

About Polyiso

Polyiso is a rigid foam insulation used in over 70% of commercial roof construction, in commercial sidewall construction, and in residential construction across North America.

About PIMA

For over 25 years, the Polyisocyanurate Insulation Manufacturers Association (PIMA) has served as the unified voice of the rigid polyiso industry, proactively advocating for safe, cost-effective, sustainable, and energy-efficient construction. PIMA’s members, who first came together in 1987, include a synergistic partnership of polyiso manufacturers and industry suppliers. Polyiso is one of the nation’s most widely used and cost-effective insulation products available. To learn more, visit www.polyiso.org.

PIMA Members

Products produced by the following PIMA members are included in the PIMA polyiso roof and wall insulation EPDs, based on weighted average production:

Atlas Roofing Corporation
2000 Riveredge Parkway, Suite 800
Atlanta, GA 30328
www.atlasroofing.com

Hunter Panels
15 Franklin Street
Portland, ME 04101
www.hpanels.com

Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
www.firestonebpco.com

Johns Manville
717 17th Street
Denver, CO 80202
www.johnsmanville.com

GAF
1 Campus Drive
Parsippany, NJ 07054
www.gaf.com

Rmax Operating, LLC
13524 Welch Road
Dallas, TX 75244
www.rmax.com

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