

Polyiso Insulation



Overview

Polyiso Insulation is a rigid-roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded on each side to glass-reinforced felt (GRF).

Features and Benefits

- Polyiso Insulation provides the highest R-value per inch of commercially available insulation products
- Zero ozone-depleting components, HFC- and HCFC-free formulation
- Approved for direct application to steel decks

Sizes

- 1.75"x4'x8'
- 2.6"x4'x8'

Applications

- Fully Adhered Single-Ply Roof Systems

Installation

Fully Adhered Single-Ply Systems

Polyiso Insulation panels must be secured to the roof deck with fasteners and plates (appropriate to deck type). Butt edges and stagger joints of adjacent panels.

Codes and Compliances

- ASTM C1289, Type II, Class 1, Grade 2 (20 psi), Grade 3 (25 psi)

Precautions

Polyiso Insulation must be protected from open flame and kept dry at all times. Install only as much Polyiso Insulation as can be covered the same day by completed roof-covering material. Protect installed product from excessive foot traffic. Henry will not be responsible for specific building and roof design by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice. For more specific details refer to PIMA Technical Bulletin No. 109: Storage and Handling Recommendations for Polyiso Roof Insulation.

Typical Properties and Characteristics (ASTM C1289)

Physical Property	Test Method	Value
Compressive Strength	ASTM D1621	20 psi* minimum (138 kPa, Grade 2)
Dimensional Stability	ASTM D2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E96	<1 perm (57.5 ng/(Pa•s•m ²))
Water Absorption	C1763	<1% volume

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Polyiso Insulation Thermal Values

Thickness (inches)	LTTR R-value	Thickness (inches)	LTTR R-value
1.75	10.0	3.7	21.7
2.6	15.0	4.5	26.8

Flute Spanability is 4³/₈".



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