SecurShield® Tapered NH Polyiso Insulation





Overview

SecurShield Tapered NH Polyiso is an LBC "Red List Free" rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded during the manufacturing process to premium performance coated glass facers (CGF). SecurShield Tapered NH Polyiso contains zero halogenated flame retardants.

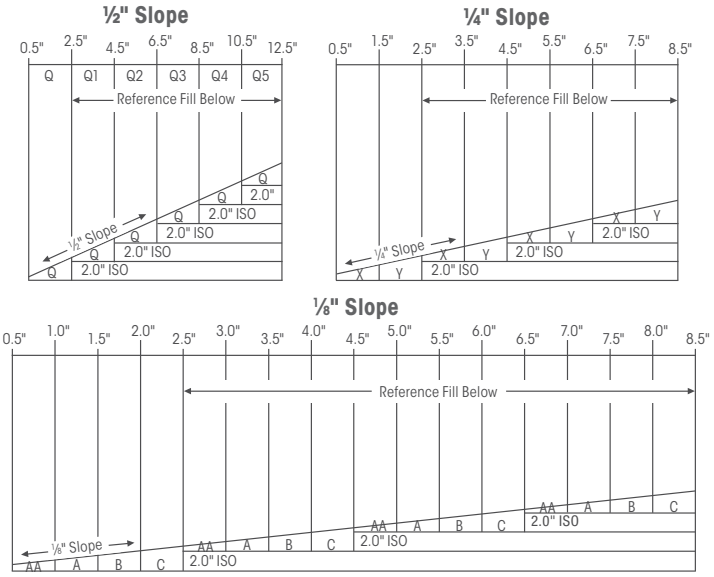
Features and Benefits

- Living Building Challenge "Red List Free" – Declare Label
- Contains zero halogenated flame retardants
- Premium facer improves fire resistance, moisture resistance and dimensional stability
- Superior bond to the foam core enhances wind-uplift performance
- SecurShield Tapered NH Polyiso insulation provides the highest R-value per inch of commercially available insulation
- Zero ozone-depleting components, CFC free and HCFC free

Panel Characteristics

- Available in 4' x 4' (1220 mm x 1220 mm) and 4' x 8' (1220 mm x 2440 mm) panels in thickness of ½" (13 mm) to 4.0" (102 mm)
- 20 psi: ⅛" (3 mm), ¼" (6 mm), ⅜" (10 mm), and ½" (12 mm) per foot
- 25 psi: 1/16" (2 mm), ⅛" (3 mm), 3/16" (5 mm), ¼" (6 mm), ⅜" (10 mm), and ½" (12 mm) per foot

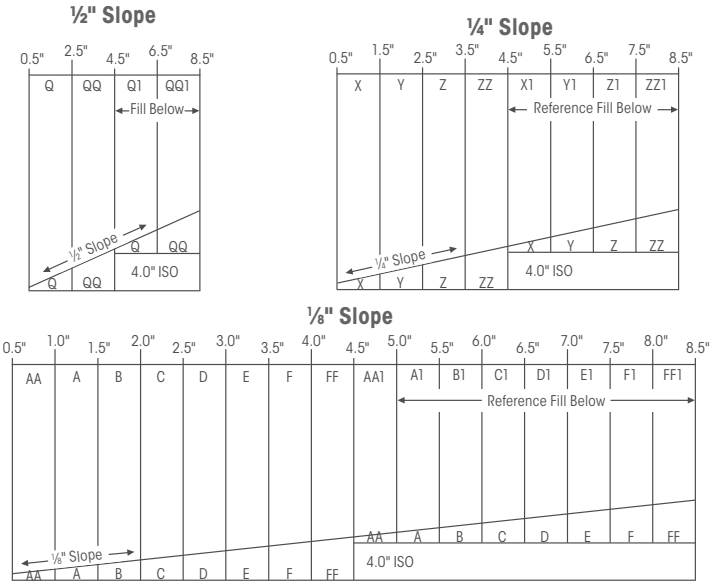
Standard Panel Profiles



VERSICO ROOFING SYSTEMS

SecurShield Tapered NH Polyiso Insulation

Extended Panel Profiles



Installation

Ballasted Single-Ply

SecurShield Tapered NH Polyiso panels are loosely laid on the roof deck. Butt the edges of the insulation panels and stagger the joints. Install the roof covering according to the manufacturer's specifications.

Mechanically Attached and Adhered Single-Ply Systems

Secure each SecurShield Tapered NH Polyiso panel to the roof deck with Versico's Flexible DASH™ adhesive or the appropriate plate and fastener. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to Versico's specifications.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Codes and Compliances

- ASTM C1289, Type II, Class 2, Grade 2 (20 psi), Grade 3 (25 psi)
- International Building Code (IBC) Section 2603
- UL Standard 790, 263 and 1256: Component of Class A Roof Systems (refer to UL Roof Materials' system directory)
- CAN/ULC S704, Type 2, Class 2
- Third-party certification with the PIMA Quality Mark for Long-Term Thermal Resistance (LTTR) values
- FM Standards 4450/4470: Class 1 approval for steel roof-deck constructions (refer to FM RoofNav℠)
- Florida Building Code Approval

Precautions

Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed roof covering material. Protect installed product from excessive foot traffic. Versico 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. Call Versico for more specific details, or refer to PIMA Technical Bulletin No. 109: Storage & Handling Recommendations for Polyiso Roof Insulation.

Typical Properties and Characteristics

Physical Property	Test Method	Value
Compressive Strength	ASTM D1621 ASTM 1289	20 psi* minimum (138 kPa, Grade 2)
Dimensional Stability	ASTM D2126	2% linear change (7 days)
Moisture Vapor Transmission	ASTM E96	<1 perm (57.5 ng/(Pa•s•m²))
Water Absorption	ASTM C209	<1% volume
Resistance to Mold	ASTM 3273	Passed (10)
Service Temperature		-100°F to 250°F (-73°C to 122°C)

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.

Foamed plastic as roof deck construction material with resistance to an internal fire exposure only for use in construction no.(s) 120 and 123. See UL Directory of Products Certified for Canada and UL Roofing Materials and Systems Directory. 99DL.

PIMA QualityMark℠ The Certified LTTR-value

A SINGLE SOURCE FOR SINGLE-PLY ROOFING

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