SecurShield® Tapered Polyiso

Overview

Tapered SecurShield is a rigid roof insulation panel composed of a closed cell polyisocyanurate foam core laminated on-line to a premium performance coated glass facer.

Features and Benefits

- Premium facer improves fire resistance, moisture resistance and dimensional stability
- Environmentally friendly construction with 0% ozone-depleting components CFC free and HCFC free
- Ideal for applications directly over wood deck

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)
- Available slopes are ¹⁄₁₆" (2 mm) *25 psi only*, ⅛" (3 mm) *25 psi only*, ³⁄₁₆" (5 mm), ¼" (6 mm), 3/8" (10 mm) and ½" (12 mm) per foot
    - ¹⁄₁₆" and ³⁄₁₆" are only available in Grade 3 (25 psi)

Installation
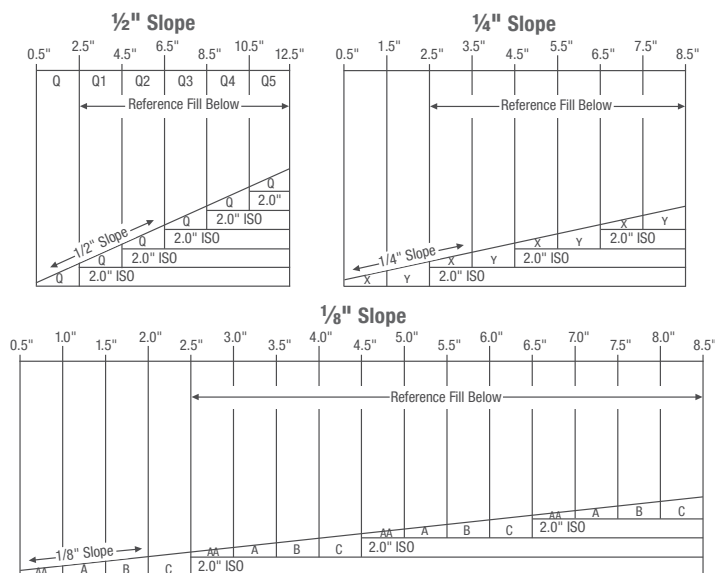
Ballasted Single-Ply

Tapered SecurShield 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 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.
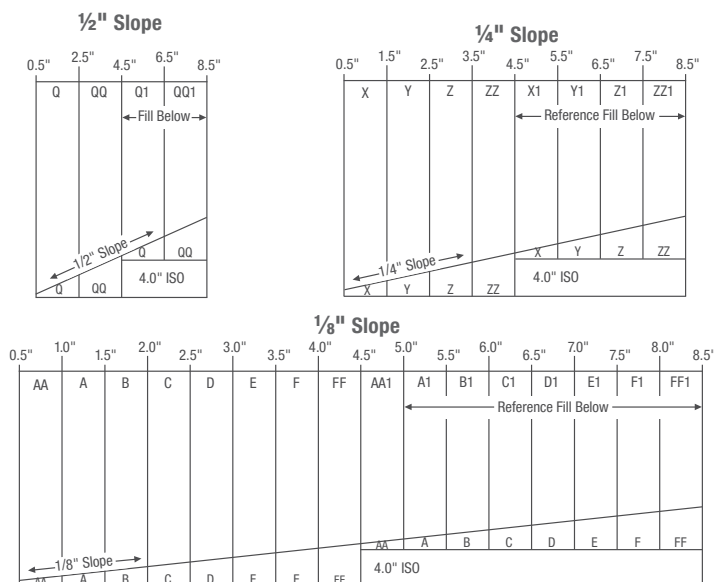
REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Standard Panel Profiles

SecurShield Tapered Polyiso

Extended Panel Profiles

½" Slope

Q	QQ	Q1	QQ1

0.5" 2.5" 4.5" 6.5" 8.5"

←Fill Below→

½" Slope Q QQ

Q QQ 4.0" ISO

¼" Slope

X	Y	Z	ZZ	X1	Y1	Z1	ZZ1

0.5" 1.5" 2.5" 3.5" 4.5" 5.5" 6.5" 7.5" 8.5"

←— Reference Fill Below —→

¼" Slope X Y Z ZZ

X Y Z ZZ 4.0" ISO

⅛" Slope

AA	A	B	C	D	E	F	FF	AA1	A1	B1	C1	D1	E1	F1	FF1

0.5" 1.0" 1.5" 2.0" 2.5" 3.0" 3.5" 4.0" 4.5" 5.0" 5.5" 6.0" 6.5" 7.0" 7.5" 8.0" 8.5"

←————— Reference Fill Below —————→

⅛" Slope

AA A B C D E F FF 4.0" ISO

AA A B C D E F FF

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 QualityMark[CM] for Long-Term Thermal Resistance (LTTR) values
- FM Standards 4450/4470: Class 1 approval for steel roof-deck constructions (refer to FM RoofNav SM)
- Florida Building Code Approval
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1418

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.

Sustainable Attributes

Versico's focus has always been innovation—innovation to solve problems, improve performance, reduce labor, and above all, improve sustainability. Versico is committed to driving sustainable and efficient processes in the design and manufacturing of our products.

- Highest R-value per inch providing maximum energy savings and CO_2 emissions avoidance
- PIMA QualityMark[CM] Certification Program participant for Long-Term Thermal R-values (LTTR)
- CDPH Compliant for maximum allowable concentrations of target VOCs
- Versico Polyiso Roof Insulation EPDs available
- Contributes to LEED and Green Globes certification requirements
- End-of-life jobsite disposal options are available for re-use/re-purposing
- Zero ozone-depleting components, HFC- and HCFC-free formulation

VERSICO
ROOFING SYSTEMS

SecurShield Tapered Polyiso

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.

*Also available in 25 psi minimum, Grade 3   *Polyiso Foam Core only

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.

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