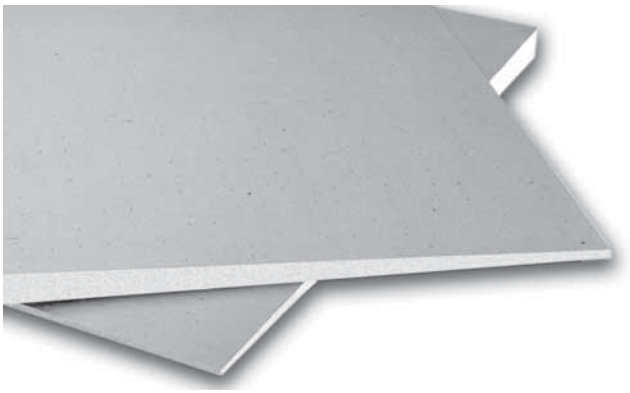
WeatherBond **Polyiso**

Tapered XP Polyiso



Overview

Tapered XP is a sloped rigid roof insulation panel composed of a closed cell polyisocyanurate foam core bonded to glass reinforced felt (GRF) facers.

Features and Benefits

- Tapered XP polyiso insulation provides the highest R-value per inch of commercially available insulation products
- Environmentally friendly construction with 0% ozone-depleting components and CFC free
- Approved for direct application to steel decks

Product Characteristics

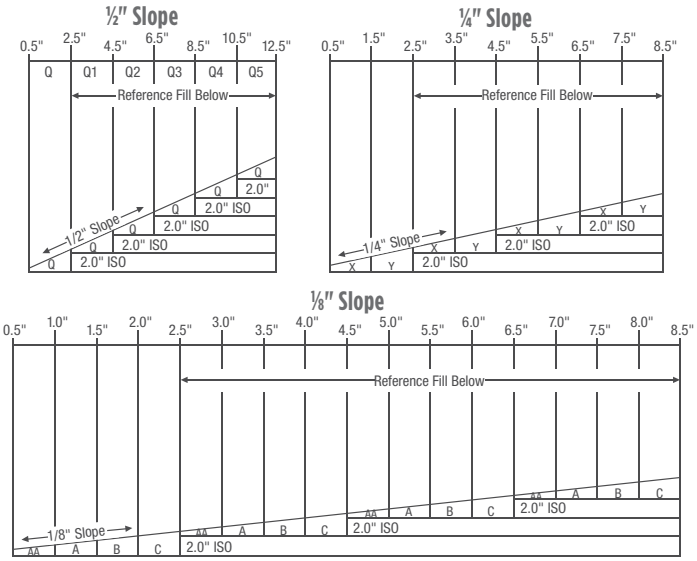
Available in 4' x 4' (1220 mm x 1220 mm) in thickness of ½" (12 mm) minimum to 4.5" (115 mm) maximum

Available slopes are 1/16" (2 mm), ⅛" (3 mm), 3/16" (5 mm), ¼" (6 mm), ⅜" (10 mm) and ½" (12 mm) per foot.

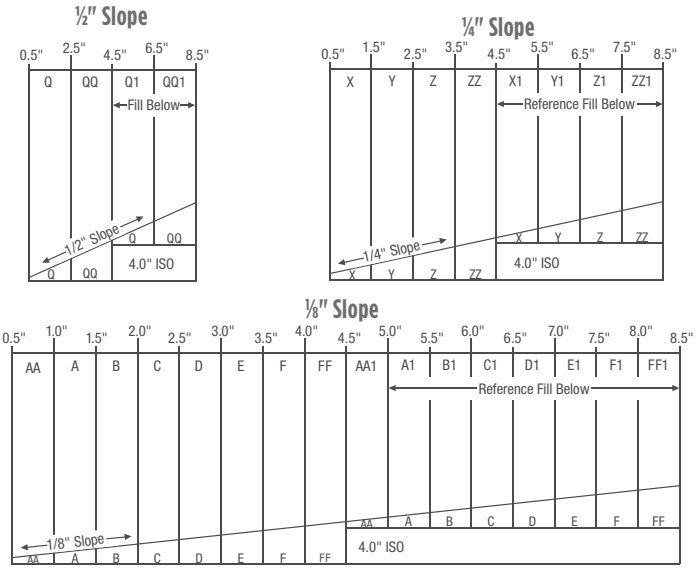
Applications

- Single-Ply Roof Systems

Standard Panel Profiles



Extended Panel Profiles



Installation

Mechanically Attached & Fully Adhered Single-Ply Systems

Secure each Tapered XP panel to the roof deck with fasteners and plates (appropriate to the deck type). Butt edges and stagger joints of adjacent panels. Install the roof membrane according to the WeatherBond installation instructions.

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ROOFING SYSTEMS

Codes and Compliances

- ASTM C1289-06, Type II, Class 1, 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 & 3, 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 RoofNavSM)
- FLORIDA BUILDING CODE APPROVAL FL#1296
- MIAMI-DADE COUNTY, FLORIDA NOA NO: 04-1018.01

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. WeatherBond will not be responsible for specific building and roof design by others, for deficiencies in construction or workmanship, for dangerous conditions on the jobsite 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 WeatherBond for more specific details, or refer to PIMA Technical Bulletin No. 109: Storage & Handling Recommendations for Polyiso Roof Insulation.

Typical Properties and Characteristics Polyiso Foam Core Only

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 12.10	<1 perm (57.5ng/(Pa•s•m^2))
Water Absorption	ASTM C209	<1% volume
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

WEATHERBOND ROOFING SYSTEMS

Single-Ply Simplified

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