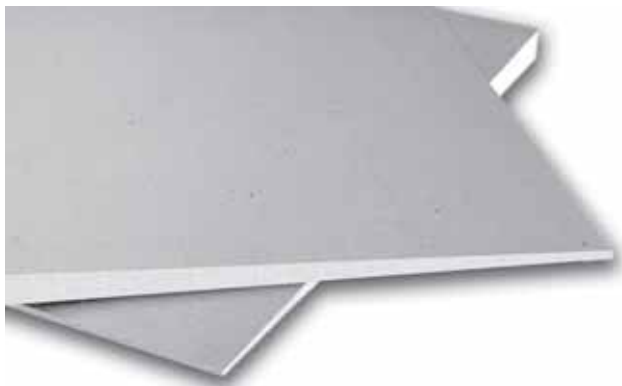


WeatherBond Polyiso

Tapered XP Polyiso



Overview

Tapered XP is a sloped rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded during the manufacturing process to fiber-reinforced facers. Tapered systems are designed to promote positive drainage and prevent ponding water. For best results, use WeatherBond's Tapered Shop Drawings.

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

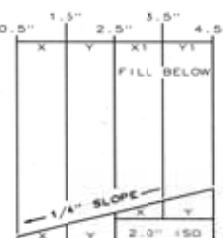
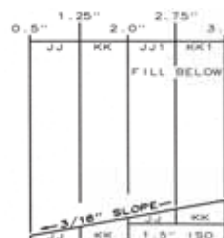
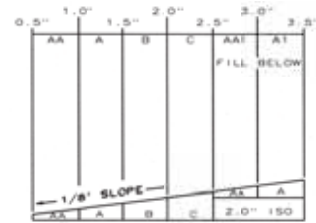
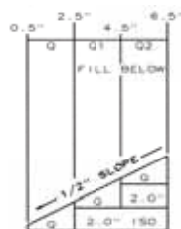
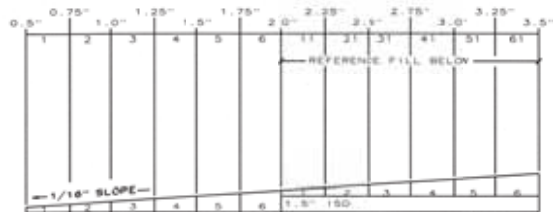
Available in 4' x 4' (1220 mm x 1220 mm) in thickness of ½" (12 mm) minimum to 4.5" (115 mm) maximum in a single layer

Available slopes are ¼" (2 mm), ⅝" (3 mm), ¾" (5 mm), ⅞" (6 mm), 1" (10 mm) and ½" (12 mm) per foot.

Available in two grades of compressive strengths per ASTM C1289, Type II, Class 1, Grade 2 (20 psi), Grade 3 (25 psi)

Applications

- Constructions requiring FM Class 1 and UL Class A ratings
- Single-Ply Roof Systems



Installation

Mechanically Attached Single-Ply Systems

Each Tapered XP panel must be secured 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 manufacturer's specifications.

Fully Adhered Single-Ply Systems

Each Tapered XP panel may be secured to the roof deck with fasteners and plates (appropriate to deck type) or adhered with WeatherBond's DASH Adhesive. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to manufacturer's specifications.

For fully adhered singly-ply, Tapered XP 4' x 8' panels can be secured to the roof deck with WeatherBond's DASH Adhesive, either full coverage or bead spacing of no less than 6" on center.

REVIEW CURRENT WEATHERBOND INSTALLATION INSTRUCTIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

Codes and Compliances

ASTM C1289-06, Type II, Class 1, Grade 2 (20 psi), Grade 3 (25 psi)

International Building Code (IBC) Section 2603

NOTE: Please be aware the Federal Specification HH-I-1972/GEN has been replaced.

Underwriter's Laboratories, Inc.

Component of Class A Roof Systems (UL 790)

Hourly Rated P series roof assemblies (UL 263) P 225, 230, 259, 302, 303, 508, 510, 514, 519, 701, 710, 713, 717, 718, 719, 720, 722, 723, 727, 728, 729, 730, 732, 734, 735, 739, 741, 742, 743, 819, 824, 827, 828

Insulated metal deck assemblies - (UL 1256) nos. 120, 123, 292

Tapered XP classified by ULC

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 1289-05a	20 psi*** minimum (138kPa, Grade 2)
Dimensional Stability	ASTM D2126	2% linear change (7 days)
Moisture Vapor Transmission	ASTM E96 12.10	<1 perm (57.5ng/(Pa*s*m2))
Water Absorption	ASTM C209	<1% volume
Service Temperature		-100°F to 250°F (-73°C to 122°C)

***Also available in 25 psi minimum, Grade 3

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.
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WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

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