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 ¼” (2 mm), ⅛” (3 mm), ⅛” (5 mm), ¼” (6 mm), ⅛” (10 mm) and ½” (12 mm) per foot.

Applications
- Single-Ply Roof Systems

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.
**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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM D1621</td>
<td>20 psi minimum</td>
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<tr>
<td></td>
<td>ASTM D1289</td>
<td>(138 kPa, Grade 2)</td>
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<tr>
<td>Dimensional Stability</td>
<td>ASTM D2126</td>
<td>2% linear change</td>
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<tr>
<td></td>
<td></td>
<td>(7 days)</td>
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<tr>
<td>Moisture Vapor Transmission</td>
<td>ASTM E96</td>
<td>&lt;1 perm (57.5ng/(Pa•s•m²))</td>
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<tr>
<td></td>
<td>12.10</td>
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<tr>
<td>Water Absorption</td>
<td>ASTM C209</td>
<td>&lt;1% volume</td>
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<tr>
<td>Service Temperature</td>
<td></td>
<td>-100°F to 250°F (-73°C to 122°C)</td>
</tr>
</tbody>
</table>

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.