VERSICORE MP-H®
TAPERED POLYISO

Product Description

VersiCore MP-H Tapered 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 Versico’s Tapered Shop Drawings.

Features and Benefits

- VersiCore MP-H Tapered 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

Panel 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 ½" (2 mm), ⅛" (3 mm), ⅛" (6mm), ⅛" (10mm) 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 (Ballasted, Mechanically Attached, Fully Adhered)

Standard Panel Profiles

Extended Panel Profiles
Installation

BALLASTED SINGLE-PLY SYSTEMS
Each VersiCore MP-H Tapered panel is loosely laid on the roof deck. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to the manufacturer’s specifications.

MECHANICALLY ATTACHED SINGLE-PLY SYSTEMS
Each VersiCore MP-H Tapered 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
Each Tapered MP-H panel must be secured to an approved roof deck with fasteners and plates (appropriate to deck type) or can be adhered using Versico’s DASH™ adhesive. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to manufacturer’s specifications.

For fully adhered single-ply, VersiCore MP-H Tapered 4’ x 8’ panels can be secured to the roof deck with Versico’s DASH® Adhesive, either full coverage or bead spacing of no less than 6” on center.

VersiCore MP-H Tapered Codes and Compliances

- ASTM C1289, 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.*

Factory Mutual Research

- FM class 1 approval for steel roof-deck constructions, (FM-4450)
- FM 4470 (subject to the conditions of approval descibed in Roofnav.com)
- FLORIDA BUILDING CODE APPROVAL FL#1296
- MIAMI-DADE COUNTY, FLORIDA NOA NO: 04-1018.01

Underwriters Laboratories, Inc.

- Component of Class A Roof Systems (UL 790)
- Insulated metal deck assemblies - (UL 1256) nos. 120, 123, 292
- VersiCore MP-H Tapered classified by ULC

**TYPICAL PROPERTIES AND CHARACTERISTICS**

**POLYISO FOAM CORE ONLY**

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM D1621</td>
<td>20 psi minimum (136 kPa, Grade 2)</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM 1289</td>
<td>20 psi minimum (136 kPa, Grade 2)</td>
</tr>
<tr>
<td>Dimensional Stability</td>
<td>ASTM D2126</td>
<td>2% linear change (7 days)</td>
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<tr>
<td>Moisture Vapor Transmission</td>
<td>ASTM E96</td>
<td>&lt;1 perm</td>
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<tr>
<td>Water Absorption</td>
<td>ASTM C209</td>
<td>&lt;1% volume</td>
</tr>
<tr>
<td>Service Temperature</td>
<td></td>
<td>-100° 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.**

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. Versico 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 Versico for more specific details, or refer to PIMA Technical Bulletin No. 109: Storage & Handling Recommendations for Polyiso Roof Insulation.

**PIMA QualityMark™**

The Certified Low-value

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