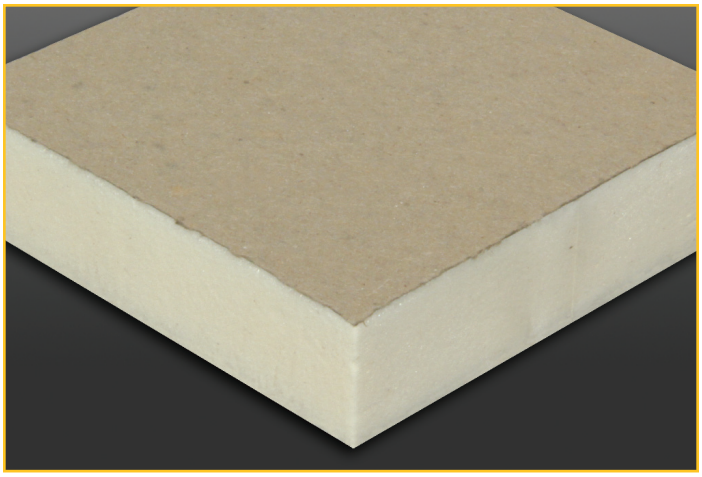
MP-H POLYISO



Overview

MP-H is a rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded on each side to fiber-reinforced paper facers.

Features and Benefits

- MP-H 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) and 4'x 8' (1220 mm x 2440 mm) panels in thickness of 1" (25 mm) to 4.5" (115 mm)
- Available in two grades of compressive strengths per ASTM C1289-11, Type II, Class 1, Grade 2 (20 psi), Grade 3 (25 psi)

THERMAL VALUES			
Thickness (inches)	Thickness (MM)	LTTR R-value*	Flute Spanability
1.00"	25	5.7	2 5/8"
1.50"	38	8.6	4 3/8"
1.75"	44	10.0	4 3/8"
1.80"	46	10.3	4 3/8"
2.00"	51	11.4	4 3/8"
2.50"	64	14.4	4 3/8"
2.60"	66	15.0	4 3/8"
3.00"	76	17.4	4 3/8"
3.50"	89	20.5	4 3/8"
3.80"	97	22.3	4 3/8"
4.00"	102	23.6	4 3/8"
4.30"	109	25.5	4 3/8"
4.50"	114	26.8	4 3/8"

** Long-Term Thermal Resistance Values are based on ASTM C1289-11 effective January 1, 2014, predicting product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.

Applications

- Constructions requiring FM Class 1 and UL Class A ratings
- Single-Ply Roof Systems (Ballasted, Mechanically Attached, Fully Adhered)

Installation

Ballasted Single-Ply Systems

Each MP-H panel is loosely laid on the roof deck. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to the Versico's specifications.

Mechanically Attached Single-Ply Systems

Each MP-H 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 Versico's specifications.

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Fully Adhered Single-Ply Systems

Each MP-H panel must be secured to the roof deck with fasteners and plates (appropriate to deck type). Butt edges and stagger joints of adjacent panels. Install the roof membrane according to Versico's specifications.

MP-H 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.

MP-H 4' x 4' panels may be adhered to prepared concrete deck with a full mopping of Type III or IV asphalt.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Codes and Approvals

- ASTM C1289-11, 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.

Underwriters 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)
- MP-H classified by ULC
- R18846

Factory Mutual Research

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

TYPICAL PROPERTIES AND CHARACTERISTICS

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 (57.5 ng/(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.

*** Polyiso foam core only**

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 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.

CLASSIFIED C UL US

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

U.S. GREEN BUILDING COUNCIL

ENERGY STAR *

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