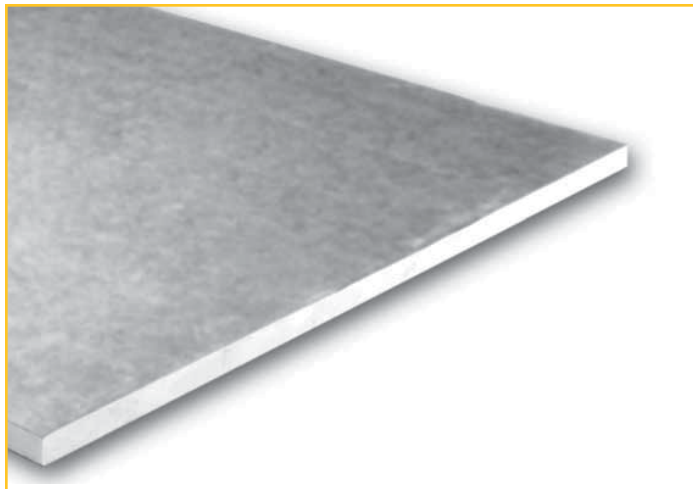


VERSICO'S MP-H POLYISO



Product Description

MP-H is a rigid-roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded on each side to fiber-reinforced 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'x4' (1220mm x 1220mm) and 4'x8' (1220mm x 2440mm) panels in thickness of 1" (25mm) to 4.0" (102mm)
- Available in two grades of compressive strengths per ASTM C1289-05a, 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)

MP-H THERMAL VALUES			
THICKNESS (INCHES) (MM)		LTRR R-VALUE*	FLUTE SPANABILITY
1.00"	25	6.00	2 5/8"
1.50"	38	9.00	4 3/8"
1.60"	41	9.60	4 3/8"
1.70"	43	10.30	4 3/8"
1.80"	46	10.90	4 3/8"
2.00"	51	12.10	4 3/8"
2.50"	64	15.30	4 3/8"
2.70"	69	16.60	4 3/8"
3.00"	76	18.50	4 3/8"
3.10"	79	19.10	4 3/8"
3.30"	84	20.40	4 3/8"
3.50"	89	21.70	4 3/8"
3.60"	91	22.40	4 3/8"
3.70"	94	23.00	4 3/8"
4.00"	102	25.00	4 3/8"

* Long Term Thermal Resistance Foam Core Values are based on ASTM C1289-05a and CAN/ULC S770 which provides for a 15-year time-weighted average. All PIMA members have adopted this advanced standard for R-values measurement as of 1/1/03.

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 manufacturer'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 manufacturer's specifications.

FULLY ADHERED SINGLE-PLY

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 manufacturer's specifications.



A SINGLE SOURCE FOR SINGLE-PLY ROOFING

Versico, LLC PO Box 1289, Carlisle, PA 17013
Tel: 800.992.7663 Fax: 717.960.4036 Web: www.versico.com

MP-H 4' x 8' panels can be secured to the roof deck with Versico's DASH DC or FAST adhesive.

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

MP-H 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-1-1972/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, 818, 819, 824, 827, 828
- Insulated metal deck assemblies - (UL 1256) nos. 120, 123, 292
- H-Shield 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**

WARNINGS AND LIMITATIONS

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 job site 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.

**TYPICAL PHYSICAL PROPERTY DATA CHART
POLYISO FOAM CORE ONLY**

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM D 1621 ASTM 1289-06	20 psi* minimum (138kPa, Grade 2)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Transmission	ASTM E 96 12.10	< 1 perm ((57.5ng/(Pa•s•m ²))
Water Absorption	ASTM C 209	<1% volume
Flame Spread (foam core)	ASTM E 84	<50
Service Temperature		-100° to 250° F (-73C to 122°C)

* Also available in 25 psi minimum, Grade 3

OTHER POLYISO PRODUCTS BY VERSICO

- SECURSHIELD *POLYISO BONDED TO COATED GLASS FACER*
- MP-HCG *POLYISO BONDED TO COATED GLASS FACER*
- MP-HF *POLYISO BONDED TO FOIL*
- MP-HNB *POLYISO BONDED TO ORIENTED STRAND BOARD*
- MP-HWF *POLYISO BONDED TO WOOD FIBERBOARD*
- TAPERED MP-HCG *POLYISO BONDED TO COATED GLASS FACER*
- TAPERED MP-H *TAPERED POLYISO*
- TAPERED MP-HWF *TAPERED POLYISO BONDED TO WOOD FIBERBOARD*



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.

