

**CI MAX™**  
Insulation for Exposed Interior Use

**Description**

Johns Manville CI Max™ foam sheathing board is composed of a uniform closed-cell polyisocyanurate foam core bonded on each side to a printed foil and glass mat facer.

CI Max foam sheathing is produced with a non-HCFC blowing agent, meeting the latest environmental regulations for using chemicals that do not harm the protective ozone layer in the earth's atmosphere. CI Max foam sheathing passed NFPA 286 Corner Burn Test for walls only or ceiling only without joint treatment, meeting both the International Code Council's Building Code Section 2603.5 and Residential Code Section R316.

**Applications**

CI Max foam sheathing is designed for easy installation where high thermal efficiency is required within both new and retrofit interior construction. It is an excellent insulation solution for: interior insulation, masonry walls (above grade and tilt up), below-grade basement walls, crawlspaces, framed walls (wood and metal), pre-engineered metal builds or flat ceilings.

**Storage**

Store CI Max sheathing flat on pallets elevated above the floor or ground and standing water. If storing outdoors, keep dry by covering completely with a waterproof tarpaulin. Weigh down loose boards until they are securely attached to the structure.

For both indoor and outdoor storage, adhere to all local building and fire codes. (References include NFPA 230 "Standard for the Fire Protection of Storage," NFPA 13 "Standard for the Installation of Sprinkler Systems" and applicable ICC or local building codes.)

**Specification Compliance**

- ASTM
- C1289, Type I, Class 1
- D1621 Compressive Strength, 16 psi (110 kPa) and 20 psi (138 kPa)
- D2126 Dimensional Stability, 2% max, 7 days (length and width)
- E96 Moisture Vapor Transmission, < 1 perm (57.5 ng/ Pa·s·m<sup>2</sup>)
- C209 Water Absorption,\* <1% volume
- E84 Flame Spread, 25 or less (4")
- E84 Smoke Development, 450 or less (4")
- NFPA 286 Corner Burn Test
- Service Temperature: -100°F to 250° F (-73°C to 122°C)
- California State Insulation Quality Standards

**Short Form Specification**

All insulation shown on drawings of specified herein shall be "Johns Manville CI Max Insulation." Thermal resistance "R" (RSI) values of the insulation shall be R (RSI) \_\_\_\_\_ in walls.

\*Foam core only.



**Limitations of Use**

Check applicable building codes. Johns Manville CI Max insulation products must be protected from open flame because the product is combustible. CI Max insulation must be protected from outside elements like wind, rain and sunlight and should be kept dry at all times.

**Performance Advantages**

- Thermal efficiency – polyisocyanurate foam provides a high degree of insulation efficiency, resisting heat transfer with R-values up to R-25 (RSI-4.40 at 4" thick). It reduces thermal bridging at framing members, improving the overall thermal efficiency of walls.
- Noncorrosive – does not accelerate corrosion of pipes, wiring or metal studs.
- Lightweight – easy to handle, can be cut with a utility knife or saw.

**Available Forms\*\***

Specification Compliance	R-value† (hr·ft <sup>2</sup> · °F/Btu)	RSI-value (m <sup>2</sup> · °K/Watts)	Thickness (in)	Thickness (mm)
ASTM C1289	25.0	4.40	4.00	102
CI Max Insulation	22.8	4.01	3.50	89
Type 1 Class 1	19.5	3.43	3.00	76
	16.3	2.87	2.50	64
	13.0	2.29	2.00	51
	10.0	1.73	1.55	38
	6.5	1.14	1.00	25
	5.0	0.88	0.77	19

\*\*Consult your local sales representative or product availability chart for other available sizes and R-values. Upon special request, JM will provide boards scored to 16" (406 mm) or 24" (610 mm) widths for easy application in cavity walls. Standard product lengths include 8 and 9 ft. (2,440 and 2,740 mm). †R-value determined by ASTM C518 at 75°F mean temperature and ASTM C1289.