

Polyisocyanurate Foam Core Manufactured On-Line to Glass Fiber Reinforced Foil Facers on Each Side for Exposed Interior Applications



Xci 286 Thermal Values

Thickness (inches)	Thickness (mm)	R-Value
1.0	25	6.3
1.5	38	9.5
1.6	41	10.1
2.0	51	13.0
2.5	64	16.0
3.0	76	19.0
3.5	89	22.0

Thermal values as per ASTM C 518 in accordance with ASTM C 1289.

Description

Xci 286 is an energy-efficient rigid foam insulation composed of a polyisocyanurate foam core manufactured online to 15 mil glass fiber reinforced foil facers. It can be used in new construction, or used for interior retrofit within existing buildings. Xci 286 is designed for exposed interior wall or ceiling use in commercial, residential, industrial, agricultural and metal building applications.

Features and Benefits

- Polyiso offers increased R-value per inch vs mineral fiber, XPS or EPS options
- Designed for use in continuous insulation to assist in meeting the most current ASHRAE 90.1, IECC, IBC and IRC standards
- Passed NFPA 286 Corner Burn Test for walls or ceilings only, with or without joint treatment, allowing product to be left exposed on interior application without a thermal barrier up to 3.5" thick
- Passed UL 1715 with up to 8" for ceilings only
- Flame spread of <25 per ASTM E84
- Manufactured with NexGen Chemistry: Zero Ozone Depleting Potential (ODP); Contains no CFCs, HCFCs or HFCs; Virtually zero Global Warming Potential (GWP). Use of Xci products helps reduce the carbon footprint of buildings.
- Both sides reinforced foil, one side reflective, one side white, either side maybe left exposed

Panel Characteristics

- ASTM C1289 Type 1, Class 1, Grade 3 (min 25 psi)
- Available in 4' x 8' (1220mm x 2440mm) panels in thicknesses ranging from 1" (25mm) – 3.5" (89mm)
- Special cuts available upon request (i.e. 16" or 24" width)

Applications

- Provides exposed interior continuous insulation in the following applications: commercial, residential (attic knee walls and floors, crawl spaces), industrial, agricultural, and metal buildings
- Suitable for interior use in a wide variety of applications including: masonry, concrete, tilt-up, agricultural, industrial, post-frame, pre-engineered metal buildings, parking structures, basements and crawl spaces
- Can be applied to walls and ceilings in residential attics and crawl spaces according to AC 12 Appendix B
- Provides exterior sheathing options in tested NFPA 285 wall assemblies. Contact Hunter Xci for details.

Codes and Compliances

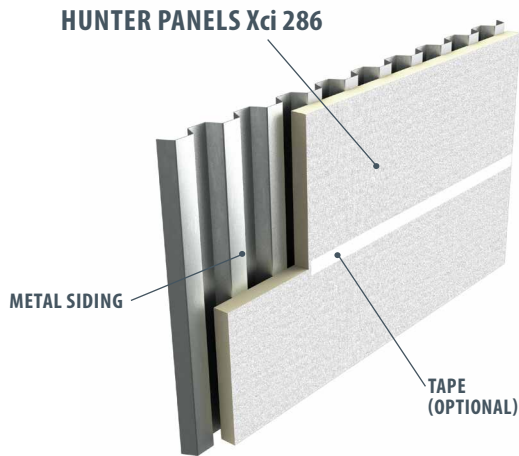
- ASTM C1289
- Meets IBC Section 2603.5 and IRC Section R316.6
- NFPA 286 passed for exposed interior walls or ceilings applications
- NFPA 285 passed, contact Hunter Panels for details
- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1420
- ASTM E84 Flame Spread of 25 or less
- Wisconsin Building Product Evaluation Report 201402-I
- DRJ Technical Evaluation Report 1402-01
- UL 1715
- Numerous UL 263 hourly designs (contact Hunter Panels for details)
- California Bureau of Furnishings and Home Insulation
- CCMC 13460-L
- CAN/ULC S-704 Type 1 Class 1

LEED Potential credits for Polyiso use

- Energy and Atmosphere**
- Optimize Energy Performance
- Materials & Resources**
- Building Life-Cycle Impact Reduction
 - Environment Product Declaration
 - Material Reuse
 - 9% Pre-consumer Recycled Content
 - Construction and Demolition Waste Management
- Indoor Environmental Quality**
- Thermal Comfort

Hunter Panels Xci 286

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Typical Physical Property Data Chart

Property	Test Method	Value
Flame Spread Index foam core	ASTM E 84	< 25
Smoke Developed foam core	ASTM E 84	< 250
Compressive Strength	ASTM D 1621	25psi (172 kPa Grade 3)
Impact Resistance (Janka Ball Test)	ASTM D 1037	40
Service Temperature		-100° to 250° F (-73°C to 122°C)
Recycled Content		9% pre-consumer

Installation

- Xci 286 boards are lightweight and easily cut with a knife or saw
- Installs quickly and easily with mechanical or adhesive attachment
- Xci 286 is not a structural sheathing, always follow local codes for structural bracing
- Xci 286 must not be used as a nailing base for any other products
- Seams can be taped if desired or required by local code

Job-Site Storage

Good construction practice dictates that all insulations should be protected from moisture and direct sunlight during job-site storage. Pallets of Hunter Panels Xci 286 are double packaged in a UV resistant polyethylene bag. This moisture resistant package is designed for protection from the elements during flat-bed shipment from our factories to the job-site. Outdoor storage for extended periods of time requires waterproof tarpaulins and elevated storage above ground level a minimum of 2". Additionally, we recommend slitting the bundle packaging vertically down the center of the two short sides to prevent moisture accumulation within the package.

Warnings and Limitations

Consult local building codes and insurance authorities regarding special applications or details required when using Xci 286 as an exposed product. Insulation must be protected from open flame. Hunter Panels will not be responsible for specific building 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 Hunter Panels for more specific details.

Xci 286 is a product that meets NFPA 286 requirements for interior exposed use without the need for a covering system. Surface anomalies on either side of the product are inherent in the manufacturing process. No aesthetic warranty is offered. If the product is going in a highly visible, trafficked area and a more finished surface is desired, it would be a subjective aesthetic decision to cover the product.

HUNTER PANELS Xci 286



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