



HUNTER

XCI 286

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

TECHNICAL DATA SHEET

Xci 286 is an energy efficient rigid insulation panel composed of a closed cell 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.

APPLICATIONS

- Provides continuous insulation in exposed interior commercial and residential applications such as industrial buildings, pre-engineered metal buildings, agricultural buildings, parking garages, basements/attics/crawlspaces, and concrete and masonry wall assemblies
- Can be applied to walls and ceilings in residential attics and crawl spaces according to AC 12 Appendix B
- Provides interior and exterior sheathing options in tested NFPA 285 wall assemblies. Contact Hunter Xci for details.

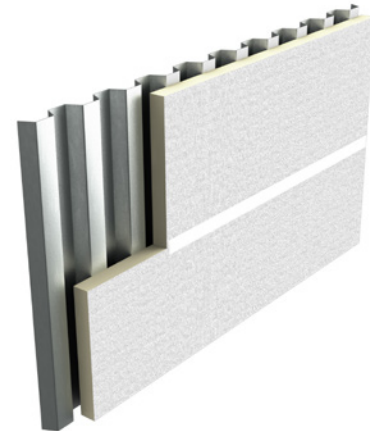
PANEL CHARACTERISTICS

- 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.
- Pressure-washable 15 mil thick reinforced foil facers on both sides, one side white and one side reflective silver. Either side can be exposed to the interior.
- Polyiso offers increased R-value per inch vs mineral fiber, XPS or EPS options
- ASTM C 1289 Type 1, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- Available in 4' x 8' (1220mm x 2440mm) panels in thicknesses ranging from 1" (25mm) – 3.5" (89mm)
- Other lengths/widths available upon special request

XCI 286 THERMAL VALUES

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

Thickness		R-Value
(inches)	(mm)	
1.00	25	6.3
1.50	38	9.5
1.60	41	10.1
2.00	51	13.0
2.50	64	16.0
3.00	76	19.0
3.50	89	22.0
4.00	102	25.2



LEED POTENTIAL CREDITS FOR POLYISO USE

Energy and Atmosphere

- Optimize Energy Performance

Materials & Resources

- Building Life-Cycle Impact Reduction
- Environment Product Declaration
- Material Reuse
- Pre-consumer Recycled Content
- Construction and Demolition Waste Management

Indoor Environmental Quality

- Thermal Comfort

INSTALLATION

- Boards are lightweight and easily cut with a knife or saw
- Is an air, moisture, and thermal control layer when the seams sealed with an approved sealing method
- Installs quickly and easily with mechanical or adhesive attachment
- Is not a structural sheathing, always follow local codes for structural bracing
- Must not be used as a nailing base for any other products
- Is compatible with most construction grade adhesives, sealants, caulks, tapes, and spray foams

TYPICAL PHYSICAL PROPERTY DATA

Physical Property	Test Method	Value
Compressive Strength	ASTM D 1621	20 psi min.* (138 kPa, Grade 2)
Dimensional Stability	ASTM D 2126	1.5% max. linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	<0.04 perm
Impact Resistance (Janka Ball Test)	ASTM C 1301	40
Service Temperature	-	-100° to 250°F (-73°C to 122°C)
Flame Spread Index (faced)	ASTM E 84	< 25
Smoke Developed (faced)	ASTM E 84	< 250
Recycled Content	-	9% pre-consumer

*Also available in Grade 3 (25 psi)

CODES AND COMPLIANCES

- Flame spread of <25 per ASTM E84
- 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
- ASTM C 1289
- IBC Chapter 26 and IRC Section R316.6
- NFPA 286 passed for exposed interior walls or ceilings applications
- Numerous NFPA 285 compliant assembly options
- Numerous UL 263 hourly designs
- DRJ Technical Evaluation Report 1402-01
- UL 1715
- Wisconsin Building Product Evaluation Report 201402-1
- California Bureau of Household Goods and Services

- California Code of Regulations, Title 24, Insulation Quality Standard License #TI-1420
- CCMC 13460-L Type 3, Class 1
- CAN/ULC S-704 Type 1 Class 1
- CDPH #220105-02

JOB-SITE STORAGE

Good construction practice dictates that all insulations should be protected from moisture and direct sunlight during job-site storage. Pallets of 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 Xci 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.



CONTINUOUS INSULATION

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