

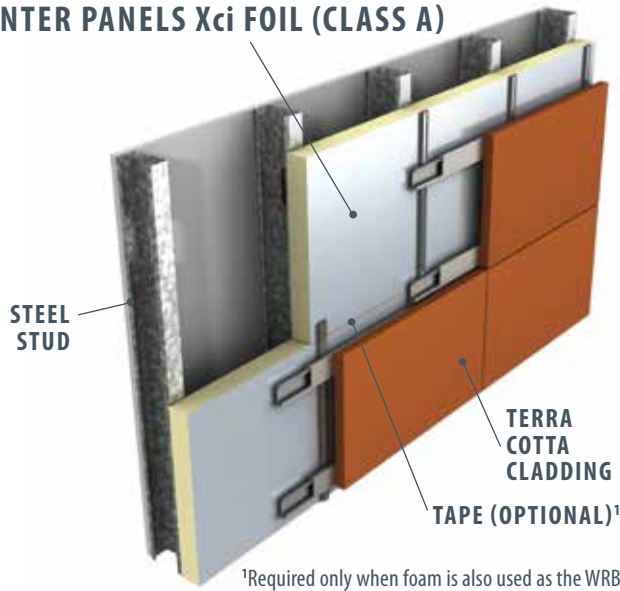


HUNTER  
CONTINUOUS INSULATION

# Hunter Panels Xci Foil (Class A)

Class A Polyisocyanurate Insulation Manufactured On-Line to Reinforced Foil Facers

## HUNTER PANELS Xci FOIL (CLASS A)



<sup>1</sup>Required only when foam is also used as the WRB

### DESCRIPTION

Xci Foil (Class A) is an exterior wall insulation panel composed of a Class A rigid polyisocyanurate foam core manufactured on-line to 15 mil reinforced foil facers on both sides. It is designed for use in commercial wall applications to provide continuous insulation within the building envelope.

### 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
- **Can be installed directly on steel studs in a variety of wall assemblies without the need for gypsum sheathing**
- **Flame spread of <25 per ASTM E 84**
- Provides R-Values from 6.3 to 25.2 in a single layer
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, and has virtually no GWP
- Superior fire performance, durability and dimensional stability

### APPLICATIONS

- Provides continuous insulation (ci) for standard wood frame, FRT wood frame, steel stud, CMU and concrete exterior wall constructions
- Compatible with numerous claddings/finishes: masonry, fiber cement, stucco, terra cotta, mcm, metal, natural stone, stone aluminum

### PANEL CHARACTERISTICS

- ASTM C 1289 Type I, Class 1 Grade 3 (25 psi)
- Available in 4' x 8' (1220mm x 2440mm) panels in thickness of 1" (25mm) – 4" (102mm)
- Other sizes are available upon special request – (for example: 16" or 24" width)

### CODES AND COMPLIANCES

- ASTM C 1289
- ASTM E 2178 – less than 0.001 L (s·m<sup>2</sup>) at 75 Pa
- ASTM E 2357 – no leakage
- ASTM E 283 S – less than 0.04 cfm/ft<sup>2</sup>
- ASTM E 330 – less than 0.04 cfm/ft<sup>2</sup>
- ASTM E 331 – Pass, no leakage
- International Building Code Chapter 26 per Class A UL 723 (ASTM E84)
- UL Classified
- DRJ Technical Evaluation Report 1402-01
- Numerous NFPA 285 approved assemblies<sup>3</sup>
- Numerous UL 263 hourly designs<sup>3</sup>
- Miami Dade County Product Control Approved
- California Title 24
- California Bureau of Furnishings and Home Insulation



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)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	< 0.04 perm
Service Temperature		-100° to 250° F (-73°C to 122°C)
Impact Resistance (Janka Ball Test)	ASTM C 1301	40
Recycled Content		9% pre-consumer

### WRB

The incorporation of Weather Resistant Barriers (air, vapor and moisture) is a critical element of a wall assembly. A design professional familiar with local code requirements should specify the selection and placement of any WRB. Furthermore, it is recommended that a hygrothermal analysis of the proposed assembly be conducted to determine the type and locations of a proposed WRB.

*Note: The NFPA 285 fire test is an assembly test. The performance of the WRB must also be considered. Please consult Hunter Panels for details and specifications.*

<sup>3</sup>Contact Hunter Panels for details

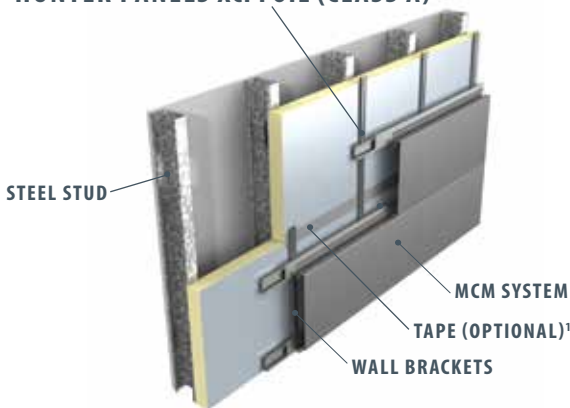
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Xci Foil (Class A) Thermal Values		
Thickness (inches)	Thickness (mm)	R-Value
1.0	25	6.3
1.5	38	9.5
1.6	41	10.1
2.0	51	13.0
2.5	64	16.0
3.0	76	19.0
3.5	89	22.0
4.0	102	25.2

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

## HUNTER PANELS Xci FOIL (CLASS A)



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### WARNINGS AND LIMITATIONS

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.

### INSTALLATION

- Xci Foil (Class A) is not structural sheathing; exterior cladding must be attached through to the framing
- Always follow local codes for structural bracing
- Refer to local codes and practices for placement of the WRB in the wall assembly
- Follow cladding manufacturer's recommendation for attachment requirements
- Insulation installation may require separate fasteners or adhesives depending on the exterior cladding attachment
- Adhesives can be used for attachment to CMU, gypsum and concrete
- Metal furring strips can be installed on the exterior, fastened through the insulation to the structural wall to create a drainage plain
- Seams can be taped if required by local code. Foil Tape Ex: CCW's Foil Grip 1402 or equal

### POST-INSTALLATION EXPOSURE

During the time frame between installation of Xci Foil (Class A) and the application of the finished exterior cladding, it is recommended that a building wrap be applied to the Xci Foil (Class A). If a building wrap has not been specified, ALL UNFACED FOAM EXPOSED TO DIRECT DAYLIGHT (i.e. corners, window and door openings) should be taped with a compatible waterproof tape. When properly installed, Xci Foil (Class A) can remain uncovered up to 180 days. Please contact Hunter Panels for details.

### 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 Foil (Class A) 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 additional waterproof tarpaulins and elevated storage above ground level a minimum of 2".



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### 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