

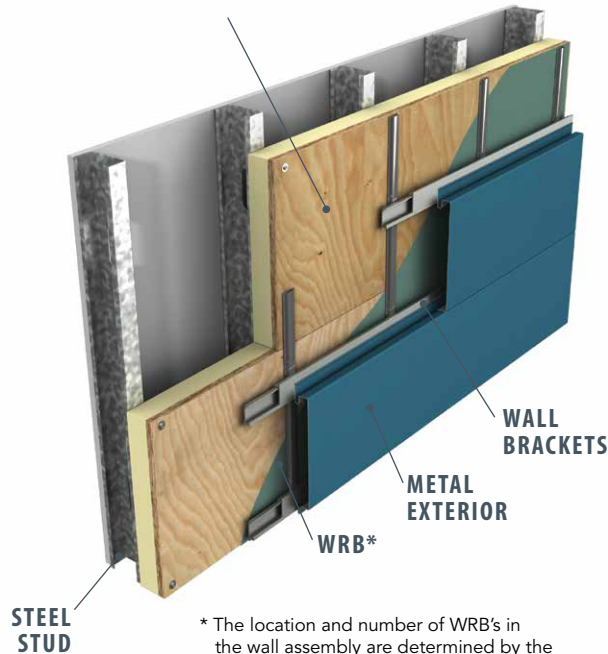


HUNTER
CONTINUOUS INSULATION

Hunter Panels Xci Ply (Class A)

Polyisocyanurate Insulation Bonded to Fire Treated Plywood with a Class A Foam Core

HUNTER PANELS Xci PLY (CLASS A)



* The location and number of WRB's in the wall assembly are determined by the architect. **Contact Hunter Panels for a list of approved WRB's for each assembly.**

DESCRIPTION

Xci Ply (Class A) is a high thermal rigid insulation panel composed of a closed cell polyisocyanurate foam core bonded to a premium performance coated glass facer on one side and $\frac{5}{8}$ " or $\frac{3}{4}$ " fire treated plywood on the other. 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
- A superior combination of high insulating properties and mechanically attachable surface
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, and has virtually no GWP
- Incorporates APA-TECO Rated Exposure Fire Treated Plywood
- Provides improved dimensional stability and fire performance
- Flame Spread of <25 per ASTM E 84

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
- Optimal substrate for mechanically attaching cladding materials
- Suitable for many commercial wall assemblies
- Can be installed directly to steel studs for certain applications

PANEL CHARACTERISTICS

- ASTM C 1289 Type V made with Type II Class 2 foam
- Panel dimensions are 48" x 96", available in thicknesses of 1.6" (39mm) – 4.7" (119mm)
- Multiple substrate types available: $\frac{5}{8}$ " or $\frac{3}{4}$ " Fire Treated Plywood

CODES AND COMPLIANCES

- ASTM C 1289
- NFPA 285 passed, contact Hunter Panels for details
- DRJ Technical Evaluation Report 1402-01
- California Title 24
- California Bureau of Furnishings and Home Insulation



STRUCTURAL

Hunter Xci Ply (Class A), up to 2.6" of total thickness, can be used as structural insulating sheathing when applied to wood studs. Please contact Hunter Panels for shear values, wind loads and attachment requirements.

Typical Physical Property Data Chart
polyiso foam core only

Property	Test Method	Value
Compressive Strength	ASTM D 1621	25 psi min. (172 kPa, Grade 3)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	<1.2 perms (63.2ng/(Pa·s·m ²))
Water Absorption	ASTM C 209	< 0.1% volume
Service Temperature		-100° to 250° F (-73°C to 122°C)
Resistance to Mold	ASTM D 3273	Passes (10)
Flame Spread Index (foam core)	ASTM E 84	<25
Smoke Developed (foam core)	ASTM E 84	<250

Hunter Panels Xci Ply (Class A)

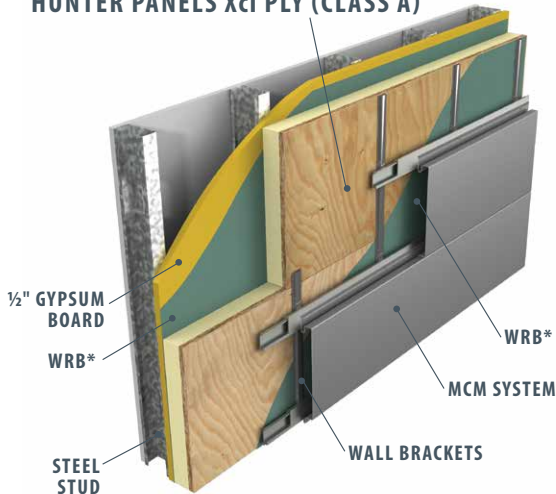
Polyisocyanurate Insulation Bonded to Fire Treated Plywood with a Class A Foam Core

Xci Ply (Class A) Thermal Values		
Thickness* (inches)	Thickness* (mm)	R-Value
1.6	41	6.6
2.1	53	9.6
2.6	66	12.7
3.1	79	15.9
3.6	91	19.1
4.1	104	22.3
4.6	117	25.6

Initial thermal values as per ASTM C 518 in accordance with ASTM C 1289.

*thicknesses calculated with 5/8" plywood

HUNTER PANELS XCI PLY (CLASS A)



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FASTENING

Several factors are involved in the proper fastening of Xci Ply (Class A). These include overall thickness of the panel, the weight of the specified cladding and the type of support provided at the base of the wall assembly. Please contact Hunter Panels for assistance with fastening rate and fastener type.

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.

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.

Note: Xci Ply (Class A) is not intended for use below grade.

POST-INSTALLATION EXPOSURE

During the time frame between installation of Xci Ply (Class A) and the application of the finished exterior cladding, it is recommended that a building wrap be applied to the Xci Ply (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. Xci Ply (Class A) is not intended to be left exposed for extended periods of time (i.e. in excess of 60 days) without adequate protection. Please contact Hunter Panels for details.

JOB-SITE STORAGE

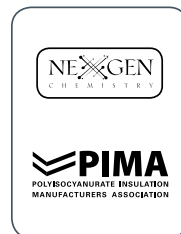
Good construction practice dictates that all insulations should be protected from moisture and direct sunlight during job-site storage. Pallets of Hunter Panels Xci Ply (Class A) are double packaged in a UV resistant polyethylene bag. This moisture resistant package is designed for protection from the elements during flat bed shipment from our factories to the job-site. Outdoor storage for extended periods of time requires 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.



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888.746.1114

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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 • Recycled Content
- Construction and Demolition Waste Management

Indoor Environmental Quality

- Thermal Comfort