



# Hunter Panels Xci Ply

Polyisocyanurate Insulation Bonded to Fire Treated Plywood

## HUNTER PANELS Xci PLY

### DESCRIPTION

Xci Ply 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 highest R-value per inch of any foam plastic board insulation
- 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

### APPLICATIONS

- Provides continuous insulation (ci) for standard 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, EIFS
- 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 with FSC® Certified fire-treated plywood (special order)
- Multiple substrate types available:  $\frac{5}{8}$ " or  $\frac{3}{4}$ " Fire Treated Plywood

### CODES AND COMPLIANCES

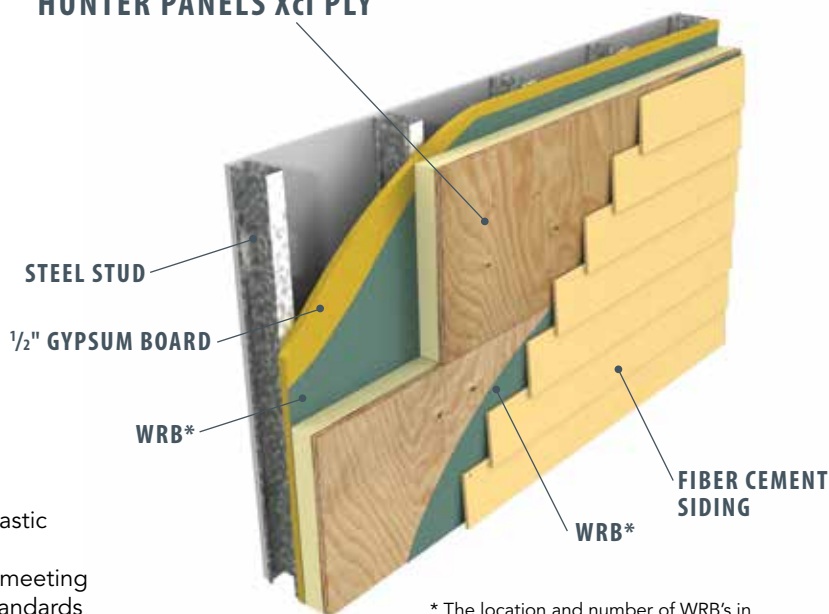
- ASTM C 1289
- NFPA 285 passed, contact Hunter Panels for details
- ICC-ESR-3174 (foam only)
- DRJ Technical Evaluation Report 1402-02
- California Title 24



### 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 dew point calculation 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.*



\* 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.**

### Typical Physical Property Data Chart polyiso foam core only

Property	Test Method	Value
Compressive Strength	ASTM D 1621	20 psi* min. (138 kPa, Grade 2)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	<1 perm (57.5ng/(Pa·s·m <sup>2</sup> ))
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)

\*Also available in grade 3 (25 psi)

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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.

*Note: Xci Ply is not intended for use below grade.*

## FASTENING

Several factors are involved in the proper fastening of Xci Ply. 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.

## POST-INSTALLATION EXPOSURE

During the time frame between installation of Xci Ply and the application of the finished exterior cladding, it is recommended that a building wrap be applied to the Xci Ply. 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 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 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, and for storage on-site during phase construction. Outdoor storage for extended periods of time (i.e. in excess of 60 days) require additional breathable waterproof tarpaulins and elevated storage above ground level a minimum of 4".

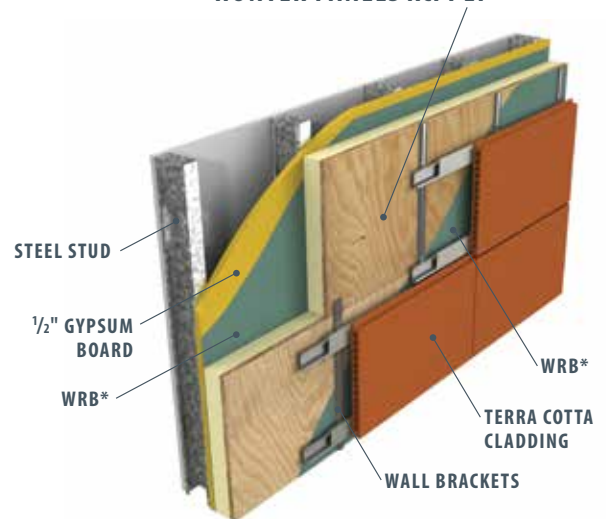
## Xci Ply Thermal Values

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

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

*\*thicknesses calculated with 5/8" plywood*

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## LEED POTENTIAL CREDITS FOR POLYISO USE

### Energy and Atmosphere

- Optimize Energy Performance
- Measurement & Verification

### Materials & Resources

- Material Reuse
- Construction Waste Management
- Recycled Content
- Local and Regional Materials
- Certified Wood

### Innovation and Design



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