



LANDRY/FRENCH CONSTRUCTION COMPANY

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TO: TAC Architectural Group, Inc.
4 Carriage Lane
Hampden, ME 04444

Submittal Transmittal

Date:	1/7/2016
Project #	15-1156 - BSB Marginal Way
Submittal #	76
ATTN:	Dan Miller
RE:	Exterior Wall Insulation

Spec No.	Description
072100-03	Exterior Wall Insulation

Remarks:

Shop Drawing/Submittal Review

SUBMITTAL WAS REVIEWED FOR DESIGN CONFORMITY AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR OR VENDOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS, CLEARANCES, QUANTITIES, FABRICATION PROCESSES, TECHNIQUES OF CONSTRUCTION, COORDINATION WITH OTHER TRADES, AND FULL COMPLIANCE WITH ALL CONTRACT DOCUMENTS.

_____ NO EXCEPTION TAKEN
 _____ MAKE CORRECTIONS NOTED
 _____ REVISE AND RESUBMIT
 _____ REJECTED

Landry/French Construction

Date: 1/7/2016 By: Mason Rowell

SHOP DRAWING / SUBMITTAL REVIEW

REVIEWED, NO EXCEPTIONS TAKEN REVISE AND RESUBMIT
 REVIEWED, REVISED AS NOTED REJECTED

Review is limited to checking for conformance with the information given and the design concept expressed in the contract documents. The Contractor and/or Construction Manager remains totally responsible for all dimensions, quantities, construction methods and means, techniques, sequences in the work, and procedures.

Reviewed By: Dan Miller Date: 01/14/16
 TAC ARCHITECTURAL GROUP, INC.



HUNTER
CONTINUOUS INSULATION

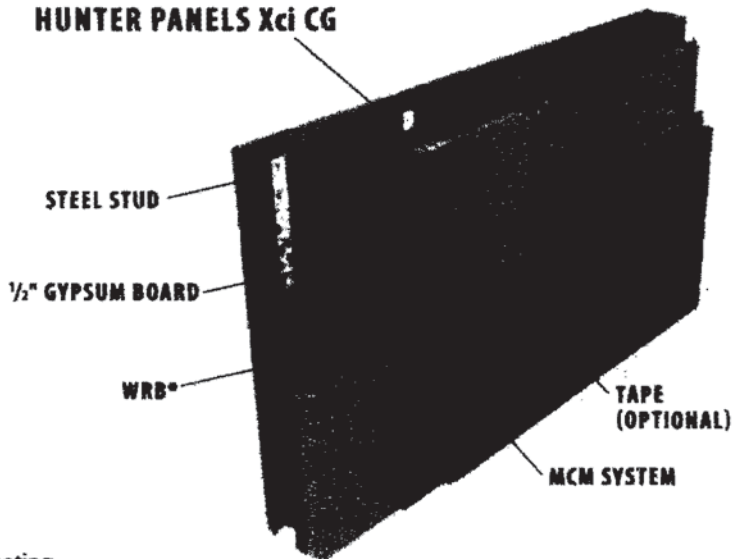
Hunter Panels Xci CG

Polyisocyanurate Insulation Manufactured On-Line to
Premium Performance Coated Glass Facers

DESCRIPTION

Xci CG is a high-thermal rigid insulation panel composed of a closed cell polyisocyanurate foam core manufactured on-line to premium performance coated glass facers on both sides. It is designed for use in commercial wall applications to provide continuous insulation within the building envelope.

HUNTER PANELS Xci CG



* 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.

PREMIUM PERFORMANCE ATTRIBUTES

- 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
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, and has virtually no GWP
- Provides improved dimensional stability, fire performance and resistance to mold growth

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
- Suitable for many commercial wall assemblies

Note: Xci CG is not suitable for exposed interior applications.

PANEL CHARACTERISTICS

- ASTM C 1289 Type II, Class 2 Grade 2 (20 psi) or Grade 3 (25 psi)
- Available in 4' x 8' (1220mm x 2440mm) panels in thickness of 1" (25mm) – 3.5" (89mm)
- Other sizes are available upon special request – (for example: 12", 16", or 24" width)

CODES AND COMPLIANCES

- ASTM C 1289
- IBC Chapter 26 and IRC Section R316
- NFPA 285 passed, contact Hunter Panels for details
- ICC-ESR-3174
- DRJ Technical Evaluation Report 1402-02
- Miami Dade County Product Control Approved
- California Title 24
- **UL Classified for use in Canada**
 - Refer to UL Director of Products Certified for Canada for more details
 - CCMC 13460-L
 - UL Certified for Canada, CAN/ULC-S126, CAN ULC-S101, CAN ULC S-107
 - CAN/ULC S-704 Type II, Class 2 Grade 2



Typical Physical Property Data Chart

Property	Test Method	Value
Compressive Strength	ASTM C 1289	20 psi min. (1380 kPa Grade 2)
Dimensional Stability	ASTM C 1289	2% dimensional change (7.62%)
Molecular Weight	ASTM D 1505	> 100,000 (100,000 g/mol)
Permeability	ASTM E 2276	< 0.001 perm (0.001 perm)
Impact Resistance (Dumb Bell Test)	ASTM D 1627	15
Water Absorption	ASTM D 249	< 0.1% (100%)
Service Temperature		100°F to 250°F (37°C to 121°C)
Resistance to Mold	ASTM D 1775	Classified (0)

*Also available in Grade 3 (25 psi)

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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.

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 CG is not intended for use below grade.

INSTALLATION

- Xci CG is not a 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
- Some fasteners or adhesives may be required for the insulation
- Compatible with a widespread variety of construction
- Adhesives can be used for attachment to CMU, gypsum and concrete types
- Metal furring strips can be installed on the exterior, fastened through the insulation to the structural wall to create a drainage plane
- Seams can be sealed with construction caulks or spray foam

POST-INSTALLATION EXPOSURE

During the time frame between installation of Xci CG and the application of the finished exterior cladding, it is recommended that a building wrap be applied to the Xci CG. 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 CG 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

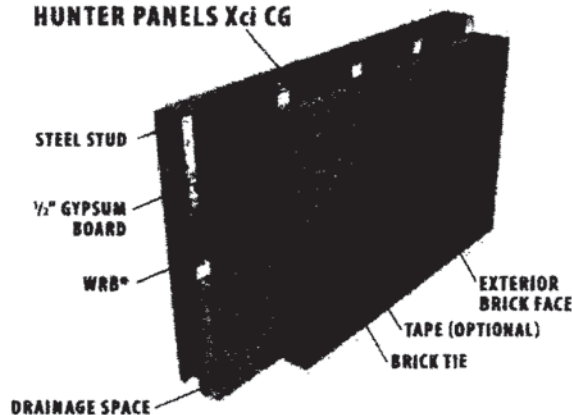
Good construction practice dictates that all insulations should be protected from moisture and direct sunlight during job-site storage. Pallets of Hunter Panels Xci CG are double packaged in a UV resistant polyethylene bag. This moisture resistant package is designed for protection from the elements 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 CG Thermal Values

Thickness (inches)	Thickness (mm)	R Value
1.0	25	6.0
1.5	38	9.0
2.0	51	12.1
2.5	64	15.2
3.0	76	18.5
3.5	89	21.7

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

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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

Innovation and Design



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CONTINUOUS INSULATION



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www.hunterxci.com