

per 042000



Specification section 042000 - 2.9 will be amended to match the drawings and list Polyisocyanate insulation

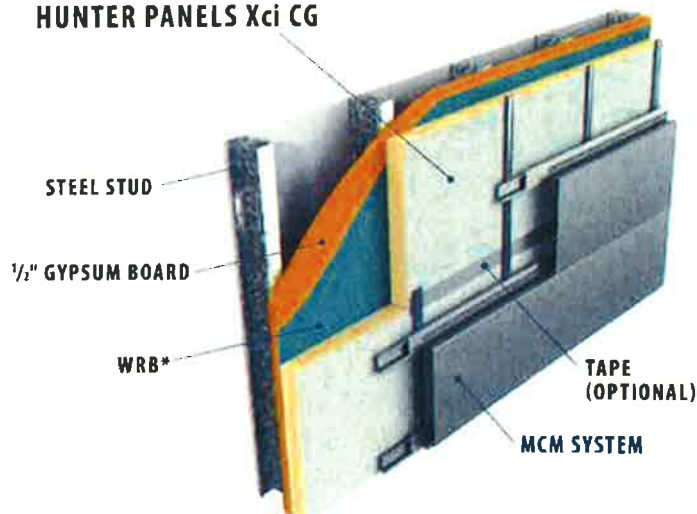
Hunter Panels Xci CG

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



Typical Physical Property Data Chart

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·m²))
Air Permeance	ASTM E 2178	<0.001 L/(s·m²) at 75 Pa
Impact Resistance (Janka Ball Test)	ASTM D 1037	15
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	Passed (10)

*Also available in Grade 3 (25 psi)

Hunter Panels • 15 Franklin St, Portland, Maine 04101 • 888.746.1114 • Fax 877.775.1769

www.hunterxci.com

Hunter Panels Xci CG

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

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

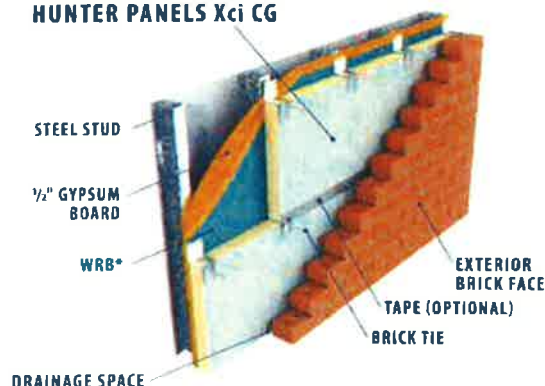
Good construction practice dictates that all insulations should be protected from moisture and direct sunlight during job-site storage. Pallets of Hunter Panels Xci CG are double packaged in a UV resistant polyethylene bag. This moisture resistant package is designed for protection from the elements 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	15.3
3.0	76	18.5
3.5	89	21.7

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

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.

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



HUNTER
A Hunter Panels Company



888.746.1114

www.hunterxci.com

HUNTER PANELS • Energy Smart Polyiso

NEW YORK

ILLINOIS

FLORIDA

TEXAS

UTAH

PENNSYLVANIA

WASHINGTON



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0127

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/08/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Clay Face Brick Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings		☒ Approval	☐ Approved as Submitted
☐ Letter		☐ Your Use	☐ Approved as Noted
☐ Prints		☐ As Requested	☐ Returned After Loan
☐ Change Order		☐ Review and Comment	☐ Resubmit
☐ Plans			☐ Submit
☐ Samples		SENT VIA:	☐ Returned
☐ Specifications		☐ Attached	☐ Returned for Corrections
☒ Other: Product Data		☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		042000-015	1		07/08/2016	Clay Face Brick Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates

TRANSMITTAL LETTER



Leonard Masonry, Inc.

5925 Fee Fee Road
St. Louis, MO 63042

Transmittal # **945-02**

Date: 7/7/2016
Phone: (314) 731-5500
Fax: (314) 731-3366

Project Name: Webster University Interdisciplinary Science Building

Project #: 945

To: Paric Corporation
Attn: Devin Gates
77 Westport Plaza Drive
Suite 250
St. Louis, MO 63146

Items listed are being sent

- ☒ Enclosed
☐ Under Separate Cover
☐ Via

SUBJECT: Submittal 945-02, Rev #0 Masonry materials

Phone: (636) 561-9500 **Fax:** (636) 561-9501

We are transmitting the following to you:

- ☒ Product Data
☐ Architectural Drawings
☐ Engineering Drawings
☐ Samples
☐ Letters
☐ Change Order Requests

- ☒ Submittals: Submittal 945-02, Rev #0 Masonry materials
☐ Shop Drawings
☐ Specifications
☐ O & M Manuals
☐ Prints
☐ Plans
☐ Addenda
☐

Submittal: Masonry materials - Rev#0

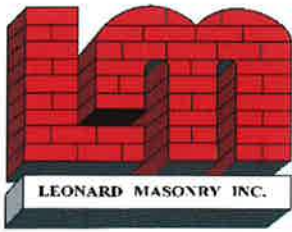
Code/Spec	Copies	For	Product #	Summary Item
042000-2.3	1	Approval		Face brick test report
042000-2.4	1	Approval		Type N mortar certification
042000-2.4	1	Approval		Type S mortar certification
042000-2.4E	1	Approval		Mortar color product data
042000-2.6C	1	Approval		Veneer anchor product data
042000-2.7	1	Approval		Flashing product data
042000-2.8A	1	Approval		Compressible filler product data
042000-2.8B	1	Approval		Bond-breaker product data
042000-2.8C	1	Approval		Weep vent product data
042000-2.8D	1	Approval		Cavity drainage material product data
042000-2.8	1	Approval		Termination bar product data
042000-2.9A	1	Approval		Cavity wall insulation product data
042000-2.9B	1	Approval		Insulation adhesive product data
042000-3.12E.5	1	Approval		Masonry cleaner product data

Remarks:

Specified veneer tie is not available with 1/4" diameter ties per manufacturers data sheet.

Potable water is to be supplied by owner/GC. No submittal provided.

TRANSMITTAL LETTER



Leonard Masonry, Inc.

5925 Fee Fee Road
St. Louis, MO 63042

Transmittal # **945-02**

Date: 7/7/2016
Phone: (314) 731-5500
Fax: (314) 731-3366

Project Name: Webster University Interdisciplinary Science Building

Project #: 945

To: Paric Corporation

Attn: Devin Gates
77 Westport Plaza Drive
Suite 250
St. Louis, MO 63146

Items listed are being sent

- ☒ Enclosed
- ☐ Under Separate Cover
- ☐ Via

SUBJECT: Submittal 945-02, Rev #0 Masonry materials

Phone: (636) 561-9500 **Fax:** (636) 561-9501

We are transmitting the following to you:

- | | |
|--|--|
| ☒ Product Data | ☐ Samples |
| ☐ Architectural Drawings | ☐ Letters |
| ☐ Engineering Drawings | ☐ Change Order Requests |

☒ Submittals: Submittal 945-02, Rev #0 Masonry materials

- | | | |
|---|--|----------------------------------|
| ☐ Shop Drawings | ☐ O & M Manuals | ☐ Plans |
| ☐ Specifications | ☐ Prints | ☐ Addenda |
| | ☐ | |

COPIES TO:

By: Ken Westhoff
Project Manager

Received by: _____ Date: _____