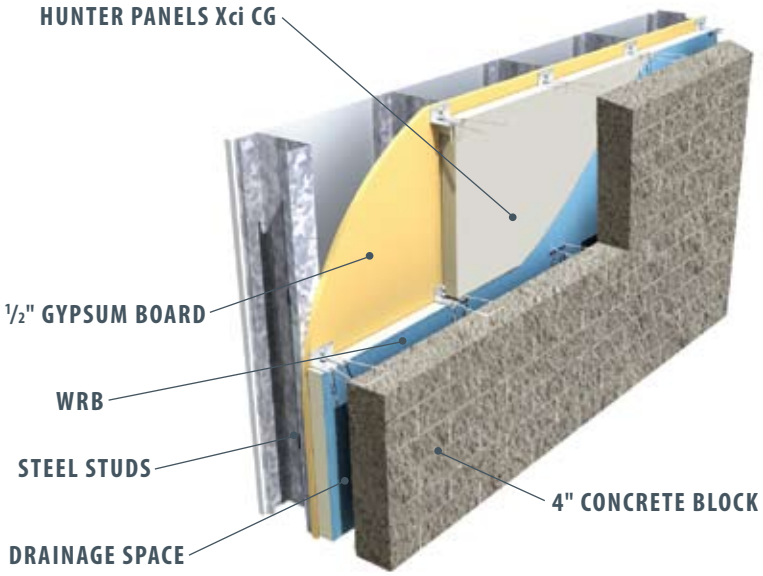
HUNTER
CONTINUOUS INSULATION

Hunter Panels Xci CG

Polyisocyanurate Insulation bonded to Premium Performance Coated Glass Facer

Xci CG is a high thermal resistive rigid insulation panel composed of a closed cell polyisocyanurate foam core bonded on-line during the manufacturing process to a premium performance coated glass facer. It is designed for use in commercial wall applications to provide continuous insulation within the building envelope.



FEATURES AND BENEFITS

- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, EPA Compliant, and has virtually no GWP
- Meets the new minimum continuous insulation standards prescribed in ASHRAE 90.1-2010
- Provides Long Term Thermal Resistance with R-values from 6 to 25 in a single layer
- Provides improved dimensional stability, fire performance and resistance to mold growth

APPLICATIONS

- Provides continuous insulation (ci) for standard wood frame, steel stud, CMU and masonry cavity exterior wall construction
- 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 thicknesses of 1" (25mm) – 4.0" (102mm) and 4' x 9' (1220mm x 2743mm)

CODES AND COMPLIANCES

- ASTM C 1289
- International Building Code Chapter 26
- National Fire Protection Association – NFPA 285
  Metal cladding – passed, Masonry cladding – passed

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.

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^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	Passed (10)

**Also available in Grade 3 (25 psi)*

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WARNINGS AND LIMITATIONS

Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed material. 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 CG is not structural sheathing and 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
- 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

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 EXPOSED FOAM SURFACES (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 45-60 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 45-60 days) require additional waterproof tarpaulins and elevated storage above ground level by 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
3.3	84	20.4
3.5	89	21.7
4.0	102	25.0

**Long Term Thermal Resistance Values based on ASTM C 1289, and CAN/ULC S770 which provides for a 15-year time weighted average*

LEED POTENTIAL CREDITS FOR POLYISO USE

Energy and Atmosphere—Minimum Energy Performance, Optimize Energy Performance

Materials & Resources—Building Reuse, Construction Waste Management, Recycled Content, Local and Regional Materials, FSC Wood Products

Innovation and Design

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