



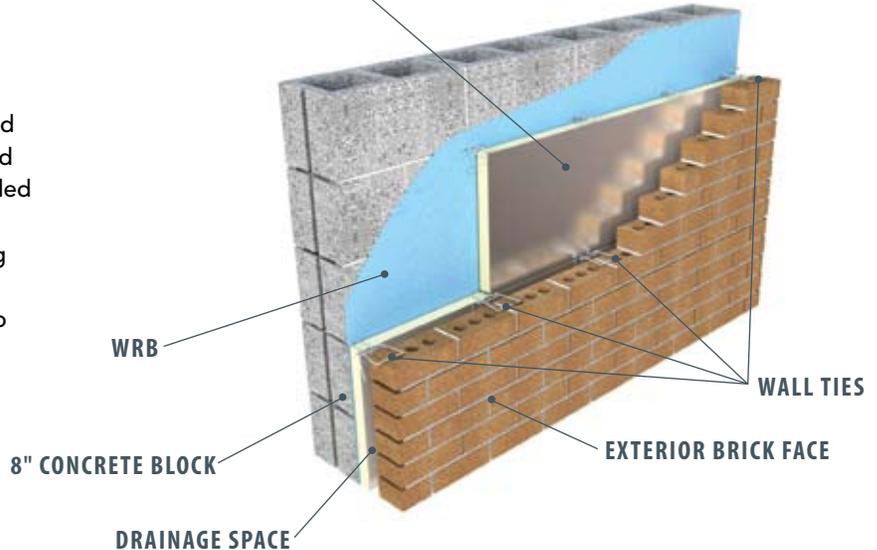
HUNTER
 CONTINUOUS INSULATION

Hunter Panels Xci Foil

Polyisocyanurate Insulation bonded to Foil Facers for Cavity Wall Applications

HUNTER PANELS Xci FOIL

Xci Foil is a high thermal resistive rigid insulation panel composed of a closed cell polyisocyanurate foam core bonded on-line during the manufacturing process to an impermeable foil facing material. It is designed for use in commercial cavity 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
- Superior R-value, excellent physical properties
- Lightweight yet durable, easy to handle. Cuts with a knife or saw.

APPLICATIONS

- Cavity Wall insulation for masonry and block construction
- Note: Xci Foil is not suitable for exposed interior applications.

CODES AND COMPLIANCES

- ASTM C 1289, Type 1, Class 1, Grade 1 (16 psi), Grade 2 (20 psi) and Grade 3 (25 psi)
- International Building Code Chapter 26

PANEL CHARACTERISTICS

- Available 4' x 8' (1220mm x 2440mm) and 4' x 9' (1220mm x 2743mm) panels in thicknesses of 1" (25mm) – 3.5" (89mm)
- Other sizes are available upon special request— (for example: 12", 16", or 24" width x 96" length)
- Available in three compressive strengths per ASTM C 1289, Type 1, Class 1 Grade 1 (16 psi), Grade 2 (20 psi), and Grade 3 (25 psi)

INSTALLATION

Install 16" or 24" Xci Foil horizontally between the concrete block wall and the exterior masonry. Attach insulation panels against the inner wall using construction grade adhesive with wall ties at the insulation joints. Xci Foil may also be applied directly to oil based waterproofing adhesives.

Typical Physical Property Data Chart

Property	Test Method	Value
Compressive Strength	ASTM D 1621	16 psi* min. (110kPa, Grade 1)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	<0.05 perm (2.875ng/(Pa•s•m ²))
Water Absorption	ASTM C 209	< 0.1% volume
Service Temperature		-100° to 250° F (-73°C to 122°C)

*Also available in Grade 2 (20 psi) and 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.

POST-INSTALLATION EXPOSURE

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

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

Xci Foil Thermal Values

Thickness (inches)	Thickness (mm)	R Value*
1.00	25	6.7
1.50	38	10.5
2.00	51	14.4
2.50	64	17.8
3.00	76	21.2
3.50	89	24.6

*ASTM TEST Method C518 at 75° F

R-Value Calculation Cavity Wall Systems Comparison

	2" Polyiso	2.5" Polyiso	2" XPS
Inside Air Film	.68	.68	.68
8" Concrete Block	1.11	1.11	1.11
Insulation	14.40	17.80	10.00
4" Face Brick	.44	.44	.44
Outside Air Film	.17	.17	.17
Total Design R-Value	16.80	20.20	12.40



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888.746.1114

www.hunterxci.com



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