

CCMC 13460-L

CCMC Standard compliance evaluation

CCMC number:	13460-L
Status:	Active
Issue date:	2011-10-20
Modified date:	2023-11-08
Evaluation holder:	<p>Hunter Panels LLC 15 Franklin Street Portland ME 04101 United States Telephone: 888-746-1114</p>
Product names:	<ul style="list-style-type: none"> • H-Shield • H-Shield CG • H-Shield F • Xci 286 • Xci CG • Xci CG (Class A) • Xci Class A • Xci Foil • Xci Foil (Class A)
Criteria:	<p>CAN/ULC-S704-11, Type 1, Class 3, "Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"</p> <p>CAN/ULC-S704-11, Type 2, Class 1, "Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"</p> <p>CAN/ULC-S704-11, Type 3, Class 1, "Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"</p> <p>CAN/ULC-S704-11, Type 3, Class 2, "Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced"</p>

In most jurisdictions this document is sufficient evidence for approval by Canadian authorities.

[Learn more about CCMC recognition](#) [Look for the trusted CCMC mark on products to verify compliance.](#)

Product information

Product names

- H-Shield
- H-Shield CG
- H-Shield F
- Xci 286
- Xci CG
- Xci CG (Class A)
- Xci Class A
- Xci Foil
- Xci Foil (Class A)

Product description

Table 1. Description of products and facer materials

Product name	Product description
H-Shield	Rigid board, polyisocyanurate thermal insulation covered with a fibre-reinforced facer on both sides
H-Shield CG	Rigid board, polyisocyanurate thermal insulation covered with coated glass facers on both sides.
Xci CG	
Xci CG (Class A)	
H-Shield F	Rigid board, polyisocyanurate thermal insulation covered with foil facers on both sides.
Xci Foil	
Xci Class A	Rigid board, polyisocyanurate thermal insulation covered with foil facers on both sides.
Xci Foil (Class A)	
Xci 286	

The products are manufactured in 1 220 mm × 1 220 mm and 1 220 × 2 440 mm panels in thicknesses ranging from 25 mm to 114 mm.

Manufacturing plants

This evaluation is limited to products produced at the following plants:

Product names	Manufacturing plants				
	Franklin Park, IL, US	Montgomery, NY, US	Puyallup, WA, US	Smithfield, PA, US	Tooele, UT, US
H-Shield	☑	☑	☑	☑	☑

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Product names	Manufacturing plants				
	Franklin Park, IL, US	Montgomery, NY, US	Puyallup, WA, US	Smithfield, PA, US	Tooele, UT, US
H-Shield CG	☑	☑	☑	☑	☑
H-Shield F	☑	☑	☑	☑	☑
Xci 286	☑	☑	☑	-	-
Xci CG	-	☑	☑	☑	☑
Xci CG (Class A)	-	☑	☑	-	-
Xci Class A	☑	☑	☑	-	-
Xci Foil	☑	☑	☑	☑	☑
Xci Foil (Class A)	☑	☑	☑	-	-

☑ Indicates that the product from this manufacturing facility has been evaluated by the CCMC

Technical information

This evaluation is based on demonstrated conformance with the following criteria:

Criteria number	Criteria name
CAN/ULC-S704-11, Type 1, Class 3	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced
CAN/ULC-S704-11, Type 2, Class 1	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced
CAN/ULC-S704-11, Type 3, Class 1	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced
CAN/ULC-S704-11, Type 3, Class 2	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced

The following information is provided for use by design professionals and is based on data submitted to CCMC as part of the evaluation:

Table 2. Classification, design long-term thermal resistance (LTTR) and water vapour permeance (WVP) specifications

Product name	Classification	Design LTTR (m ² ·°C/W) ⁽¹⁾			WVP (ng/(Pa·s·m ²)) ⁽²⁾
		25 mm	50 mm	75 mm	
Thickness	–	25 mm	50 mm	75 mm	25.4 mm
H-Shield	Type 1, Class 3	0.94	1.88	2.87	62.3 ⁽³⁾
H-Shield CG and Xci CG	Type 1, Class 3	0.94	1.85	2.79	67.4 ⁽⁴⁾
H-Shield F and Xci Foil	Type 2, Class 1	1.03	1.98	2.98	0.72
Xci Class A, Xci Foil (Class A) and Xci 286	Type 3, Class 1	0.93	1.85	2.91	0.11
Xci CG (Class A)	Type 3, Class 2	0.92	1.81	2.74	56.1 ⁽⁵⁾

Notes

- ¹ Contact the manufacturer for LTTR data on thicknesses not specified in this evaluation. Design LTTR values presented are for the lowest value observed at all manufacturing plants. Design LTTR values may vary slightly for each product from one plant to another. The laboratory determining compliance with this standard has established that all plants are producing compliant products.
- ² Values are based on the average test results obtained from all the manufacturing plants producing the identified product name. The laboratory determining compliance with this standard has established that all plants are producing compliant products.
- ³ The results obtained from the 5 plants producing this product vary from 50.0 to 68.6 ng/(Pa·s·m²).
- ⁴ The results obtained from the 5 plants producing these products vary from 24.0 to 88.1 ng/(Pa·s·m²).
- ⁵ The results obtained from the 5 plants producing this product vary from 50.9 to 61.2 ng/(Pa·s·m²).

Administrative information

Use of Canadian Construction Materials Centre (CCMC) assessments

This assessment must be read in the context of the entire [CCMC Registry of Product Assessments](#), any applicable building code or by-law requirements, and/or any other regulatory requirements (for example, the [Canada Consumer Product Safety Act](#), the [Canadian Environmental Protection Act](#), etc.).

It is the responsibility of the user to confirm that the assessment they are using is current and has not been withdrawn or superseded by a later version on the [CCMC Registry of Product Assessments](#).

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Language

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CCMC recognition

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(Alliance of Canadian Building Official Associations (ACBOA))

First Nations National Building Officers Association (FNNBOA)



(First Nations National Building Officers Association (FNNBOA))

Canadian Home Builders' Association (CHBA)



(Canadian Home Builders' Association (CHBA))

Alberta Building Officials Association (ABOA)



(Alberta Building Officials Associations (ABOA))

Saskatchewan Building Officials Association (SBOA)



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(Manitoba Building Officials Association (MBOA))

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(Ontario Building Officials Association (OBOA))

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For more information, contact the CCMC by phone at (613) 993-6189 or by email at ccmc@nrc-cnrc.gc.ca

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