

CCMC 14078-L

CCMC Standard compliance evaluation

CCMC number:	14078-L
Status:	Active
Issue date:	2017-12-11
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Evaluation holder:	<p>Huntsman Building Solutions (Canada) Inc.</p> <p>870, Curé-Boivin Boisbriand QC J7G 2A7 Canada</p> <p>Website: www.huntsmanbuildingsolutions.com/en-CA/ Telephone: 450-437-0123 Email: infoCanada@huntsmanbuilds.com</p>
Product names:	<ul style="list-style-type: none"> • Airmetic® SOYA HFO • Heatlok® SOYA HFO • Polar Foam SOYA HFO
Evaluation requirements:	<u>CAN/ULC-S705.1-15</u>

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

[Learn more about CCMC recognition](#)

Product information

Product names:

- Airmetic® SOYA HFO
- Heatlok® SOYA HFO
- Polar Foam SOYA HFO

Product description

Ozone-depleting Substances and Halocarbon Alternatives Regulations (ODSHAR)

The evaluation holder attests that these products contain a foaming agent that is compliant with the Ozone-depleting Substances and Halocarbon Alternatives Regulations, which are administrated by Environment and Climate Change Canada (ECCC).

The products are closed-cell, spray-applied rigid polyurethane foams of medium density. The foam system consists of two components that must be labelled as follows along with "CCMC 14078-L":

- Isocyanate (Component A): "A100" isocyanate; and
- Resin (Component B): "Airmetic® SOYA HFO, Heatlok® SOYA HFO, Polar Foam SOYA HFO" resin.

The two components are mixed on site by a Huntsman Building Solutions (Canada) Inc.-qualified installer (see the [Qualified installers](#) section) with fixed-ratio positive displacement equipment. The colour of the installed final cured Airmetic® SOYA HFO and Heatlok® SOYA HFO products is green. The colour of the installed final cured Polar Foam SOYA HFO product is peach.

Site-manufactured product

These are site-manufactured products; they are finished on-site following the spray-application of raw materials produced at the manufacturing plant(s) below.

Manufacturing plant

This evaluation is valid only for products produced at the following plant:

Product names	Manufacturing plant
	Boisbriand, QC, CA
Airmetic® SOYA HFO	◇
Heatlok® SOYA HFO	◇
Polar Foam SOYA HFO	◇

◇ 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-S705.1-15	Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material Specification

Table 1. Site density, design LTTR, WVP and time-to-occupancy specifications for the products

Product	Minimum site density ⁽¹⁾ (kg/m ³) [lb/ft ³]	50 mm design LTTR (m ² ·C/W)	50 mm WVP ⁽²⁾ (ng/(Pa·s·m ²))	Time-to-occupancy ⁽³⁾ (h)
Airmetic® SOYA HFO	35.5 [2.2]	1.94	13	25
Heatlok® SOYA HFO				
Polar Foam SOYA HFO				

Notes:

- ¹ Based on the qualification testing to CAN/ULC-S705.1, the specified minimum site density must comply with CAN/ULC-S705.1, as measured on site in accordance with CAN/ULC-S705.2-05, “Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Application.”
- ² The WVP is determined from a core sample with the top skin removed. For the site-installed product, the WVP at this thickness may be lower due to the effect of the skins.
- ³ For retrofit construction, the time to occupancy is 25 h when the segregated retrofit area is ventilated as required by CAN/ULC-S705.2 during installation of the product and after spraying. See [CCMC Evaluation Requirements](#) for further details.

Qualified installers

These are site-manufactured products whereby Huntsman Building Solutions (Canada) Inc. requires that only specific, qualified installers be authorized to install their proprietary spray-applied rigid polyurethane insulation in buildings. In accordance with the Huntsman Building Solutions (Canada) Inc. site quality assurance program (SQAP), the certification organisation Caliber Quality Solutions Inc. (Caliber) has been commissioned to license the specified installers and issue them the requisite Caliber identification card. All specified installers must have a Caliber identification card.

Third-party site auditing of qualified installers

As part of their SQAP, Huntsman Building Solutions (Canada) Inc. also stipulates that site-audit inspections be conducted by site inspectors licensed by Caliber. Upon completion of the site audit, Caliber will report the products' conformity results and any corrective action required, if necessary, to Huntsman Building Solutions (Canada) Inc. Building officials who would like site-audit inspections to be conducted on specific building sites can contact Caliber at:

Caliber Quality Solutions Inc.

This PDF is an alternative version. This document was published on 2022-05-05 and may not be the latest version of this evaluation. Users should consult the latest [published assessment](#) on the [CCMC Registry of Product Assessments](#), which contains the most up to date information. This PDF is intended for use as a record, not the latest information available.

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Administrative information

Disclaimer

This evaluation is issued by the Canadian Construction Materials Centre (CCMC), part of the Construction Research Centre at the National Research Council of Canada (NRC). The evaluation must be read in the context of the entire [CCMC Registry of Product Assessments](#) and the legislated applicable building code in effect.

The CCMC was established in 1988 on behalf of the applicable regulator (i.e., the provinces and territories) to ensure—through assessment—conformity of alternative and acceptable solutions to regional building codes as determined by the local authority having jurisdiction (AHJ) as part of the issuance of a building permit.

It is the responsibility of the local AHJs, design professionals, and specifiers to confirm that the evaluation is current and has not been withdrawn or superseded by a later issue. Please refer to [the website](#) or contact:

Canadian Construction Materials Centre

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National Research Council of Canada
1200 Montreal Road
Ottawa, Ontario, K1A 0R6
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Fax: 613-952-0268

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Language

Une version française de ce document est disponible.

In the case of any discrepancy between the English and French version of this document, the English version shall prevail.

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CCMC recognition

The Canadian Construction Materials Centre (CCMC) assesses compliance with Canadian building, energy and safety codes. We are the only construction code compliance service supported and operated by the Government of Canada. Trusted by over 6,000 regulators across Canada.

Most Canadian authorities having jurisdiction (AHJs) consider CCMC product assessments acceptable as evidence for product approval.

CCMC assessments are recognized by construction authorities across Canada:

Alliance of Canadian Building Official Associations (ACBOA)



(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))

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(Alberta Building Officials Associations (ABOA))

Saskatchewan Building Officials Association (SBOA)



(Saskatchewan Building Officials Association (SBOA))

Manitoba Building Officials Association (MBOA)



(Manitoba Building Officials Association (MBOA))

Ontario Building Officials Association (OBOA)



(Ontario Building Officials Association (OBOA))

New Brunswick Building Officials Association (NBBOA)



(New Brunswick Building Officials Association (NBBOA))

Nova Scotia Building Officials Association (NSBOA)



(Nova Scotia Building Officials Association (NSBOA))

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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