

## CCMC 14078-L

### CCMC Standard compliance evaluation

<b>CCMC number:</b>	14078-L
<b>Status:</b>	Active
<b>Issue date:</b>	2017-12-11
<b>Modified date:</b>	2022-01-24
<b>Evaluation holder:</b>	<p><b>Huntsman Building Solutions (Canada) Inc.</b>              870, Curé-Boivin              Boisbriand QC J7G 2A7              Canada              Website: <a href="http://www.huntsmanbuildingsolutions.com/en-CA/">www.huntsmanbuildingsolutions.com/en-CA/</a>              Telephone: 450-437-0123              Email: <a href="mailto:infoCanada@huntsmanbuilds.com">infoCanada@huntsmanbuilds.com</a></p>
<b>Product names:</b>	<ul style="list-style-type: none"> <li>• Airmetic® SOYA HFO</li> <li>• Heatlok® SOYA HFO</li> <li>• Polar Foam SOYA HFO</li> </ul>
<b>Evaluation requirements:</b>	<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 certification is valid only for products produced at the following plant:

Product name	Boisbriand, Québec, Canada
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
<a href="#">CAN/ULC-S705.1-15</a>	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 <sup>(1)</sup> (kg/m <sup>3</sup> ) [lb/ft <sup>3</sup> ]	50 mm design LTTR (m <sup>2</sup> ·C/W)	50 mm WVP <sup>(2)</sup> (ng/(Pa·s·m <sup>2</sup> ))	Time-to-occupancy <sup>(3)</sup> (h)
Airmetic® SOYA HFO	35.5 [2.1]	1.94	13	25
Heatlok® SOYA HFO				
Polar Foam SOYA HFO				

### Notes:

- <sup>1</sup> 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."
- <sup>2</sup> 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.
- <sup>3</sup> 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.

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Suite 1000, 120 Eglinton Ave. East  
Toronto, ON M4P 1E2  
Telephone: 888-572-7435

## 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

Construction Research Centre  
National Research Council of Canada  
1200 Montreal Road  
Ottawa, Ontario, K1A 0R6  
Telephone: 613-993-6189  
Fax: 613-952-0268

The NRC has evaluated the material, product, system or service described herein only for those characteristics stated herein. The information and opinions in this evaluation are directed to those who have the appropriate degree of experience to use and apply its contents (i.e., AHJs, design professionals and specifiers). This evaluation is only valid when the product is installed in strict compliance with the stated conditions and limitations of evaluation and the applicable local building code. In circumstances where no applicable local building permit is issued and that no confirmation of compliance 'for use in the intended field application' is undertaken, this evaluation is null and void in all respects. This evaluation is provided without representation, warranty, or guarantee of any kind, expressed, or implied, and the NRC provides no endorsement for any evaluated material, product, system or service described herein. The NRC accepts no responsibility whatsoever arising in any way from any and all use and reliance on the information contained in this evaluation with respect to its compliance to the referenced code(s) and standard(s). The NRC is not undertaking to render professional or other services on behalf of any person or entity nor to perform any duty owed by any person or entity to another person or entity.

### 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 \(CHBA\)\)](#)

Alberta Building Officials Association (ABOA)



[\(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 \(NSBOA\)\)](#)

The CCMC provides code compliance assessments to Canadian code requirements, consulting nationwide with construction regulators to elicit regional variations in code requirements as well as provincial and local interpretations. Users are advised to review the technical information presented in CCMC assessments when making approval decisions. [Learn more about how the CCMC provides a unique service for Canada.](#)

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

For the latest version of this evaluation consult the [CCMC Registry of Product Assessments](#)

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