

# CCMC 14505-L

## CCMC Standard compliance evaluation

<b>CCMC number:</b>	14505-L
<b>Status:</b>	Active
<b>Issue date:</b>	2023-07-11
<b>Modified date:</b>	2023-09-06
<b>Evaluation holder:</b>	<p><b>Huntsman Building Solutions (Canada) Inc.</b>              870, Curé-Boivin              Boisbriand QC J7G 2A7              Canada              Website: <a href="https://huntsmanbuildingsolutions.com/en-CA/">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>• Airmétic® Soya HP™</li> <li>• Heatlok® Soya HP™</li> <li>• Polar Foam Soya HP™</li> </ul>
<b>Evaluation requirements:</b>	<u>CAN/ULC-S705.1:2018</u>

**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

- Airmétic® Soya HP™
- Heatlok® Soya HP™
- Polar Foam Soya HP™

## Product description

The products are closed-cell, spray-applied rigid polyurethane foams of medium density. The foam system consists of two components (isocyanate and resin) that must be labeled as follows, along with "CCMC 14505-L":

- Isocyanate (Component A): A100 isocyanate; and
- Resin (Component B): Airmétic® SOYA HP™, Heatlok® SOYA HP™, Polar Foam SOYA HP™ resin.

The colour of the installed final cured Airmétic® SOYA HP™ and Heatlok® SOYA HP™ products is green. The colour of the installed final cured Polar Foam SOYA HP™ product is peach.

## Site-manufactured product

This is a site-manufactured product; it must be finished on site only by certified installers through the spray-application of raw materials bearing a CCMC number that are produced only at the manufacturing plant(s) below. See installation of spray-applied polyurethane insulation for more information on the requirements for installation and site quality assurance.

## Manufacturing plant

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

Product names	Manufacturing plant
	Boisbriand, QC, CA
Airmétic® Soya HP™	☑
Heatlok® Soya HP™	☑
Polar Foam Soya HP™	☑

☑ 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-S705.1:2018</a>	Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material Specification

The products' minimum site density, design long-term thermal resistance (LTTR), water vapour permeance (WVP), and time-to-occupancy specifications are provided in the following table.

**Table 1. Site density, design LTTR, WVP, and time-to-occupancy specifications of 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)
Heatlok® Soya HP™	35.3 [2.2]	2.06	31	25
Airmétic® Soya HP™				
Polar Foam Soya HP™				

### Notes

- <sup>1</sup> Based on the qualification testing conforming 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, "Standard for Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Application."
- <sup>2</sup> The water vapour permeance (WVP) is determined from a core sample with the skin removed. Due to the effect of the skins, the WVP at this thickness would be lower in the site-installed product.
- <sup>3</sup> For retrofit construction, the time to occupancy is 25 hours when the segregated retrofit area is ventilated as required by CAN/ULC-S705.2 during installation of the product and after spraying. See the evaluation requirements for more information.

## Site quality assurance program (SQAP)

### Installation of spray-applied polyurethane insulation

In addition to the material qualification to CAN/ULC-S705.1 above, medium density spray-applied polyurethane foams must be installed in accordance with CAN/ULC-S705.2 under a Site Quality Assurance Program (SQAP).

This evaluation holder has engaged the [designated SQAP provider](#) below to operate its SQAP program for the installation of this product by [certified installers](#), and to provide [third-party site auditing](#), as required. As with any evaluation, the evaluation holder is responsible for the quality of the finished product (installed foam), and therefore is required to ensure resolution of non-conforming installations.

The installation procedure must follow the manufacturer's instruction manual. A copy of the manual must be available at the job site at all times during the installation for review by the building official.

---

**This PDF is an alternative version.** This document was published on 2023-09-06 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.

## Certified installers

The evaluation holder requires that only specific, certified installers be authorized to install its proprietary spray-polyurethane insulation in buildings. All installers must be certified for the installation of this product by the designated SQAP provider, having a valid photo-identification license at the time of installation, and be able to present the license on request.

## Third-party site auditing

As part of its SQAP, the evaluation holder also stipulates that periodic site-audit inspections be conducted by the designated SQAP provider. Upon completion of the site audit, the designated SQAP provider will report the product's conformity results and any corrective action required, if necessary, to the evaluation holder. Building officials can contact the SQAP provider to request a site-audits at a specific building site.

## Designated SQAP provider

The following organization has been designated by the evaluation holder as their SQAP provider, and is recognized by the CCMC as an ISO/IEC 17024 accredited personnel certification body, and ISO/IEC 17020 accredited inspection body.

Caliber Quality Solutions Inc. (Caliber)  
605 - 2323 Yonge Street  
Toronto, Ontario, M4P 2C9  
Telephone: 1-888-5-QAP-HELP (1-888-572-7435)  
Email: [QAP@caliberqa.com](mailto:QAP@caliberqa.com)  
Website: [www.caliberqa.com](http://www.caliberqa.com)

# 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](#).

## Disclaimer

The National Research Council of Canada (NRC) has evaluated only the characteristics of the specific product described 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 (such as authorities having jurisdiction, design professionals and specifiers). This evaluation is valid when the product is used as part of permitted construction, respecting all conditions and limitations stated in the evaluation, and in accordance with applicable building codes and by-laws.

This evaluation is provided without representation, warranty or guarantee of any kind, expressed or implied, and the NRC provides no endorsement for any evaluated product. The NRC accepts no responsibility whatsoever arising in any way from any and all use of or reliance on the information contained herein or the use of any evaluated product. 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.

## Copyright

© His Majesty the King in Right of Canada, as represented by the National Research Council of Canada, 2023

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the CCMC.

---

**This PDF is an alternative version.** This document was published on 2023-09-06 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.

## 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)

## NOTICE

---

The information presented on this webpage (in HTML format) is the most up-to-date information available from the CCMC about this assessment.

**By downloading this PDF you acknowledge that:**

- this PDF is intended for record-keeping purposes only,
- it represents the information as it was available at the time of downloading, and
- it may not reflect the latest available information at some future date.

References to this CCMC assessment (in product literature, on websites, etc.) must be made by linking to the evaluation webpage. **This PDF must not be used as a means of distributing this assessment to an audience.**

[View PDF \(Portable document format\)](#)