

CCMC 14140-L

CCMC Standard compliance evaluation

CCMC number:	14140-L
Status:	Active
Issue date:	2019-10-03
Modified date:	2022-05-19
Evaluation holder:	<p>SOLUTIONS Genyk Inc. 1701 3rd Avenue Shawinigan QC G9T 2W6 Canada Website: www.genyk.com Telephone: 819-729-0395 Email: info@genyk.com</p>
Product name:	BOREAL NATURE elite
Evaluation requirements:	CAN/ULC-S705.1-15

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

[Learn more about CCMC recognition](#)

Product information

Product name:

BOREAL NATURE elite

Product description

Ozone-Depleting Substances and Halocarbons Alternatives Regulations (ODSHAR)

The evaluation holder attests that this/these product(s) contains a foaming agent that is compliant with the Ozone-Depleting Substances and Halocarbons Alternatives Regulations, which is administrated by Environment and Climate Change Canada (ECCC)

The product is a spray-applied, rigid polyurethane foam of medium density. The foam system consists of two components (isocyanate and resin) that must be labelled as follows with "CCMC 14140-L:"

- Isocyanate (Component A): ISOCYANATE A-2732, and
- Resin (Component B): BOREAL NATURE elite resin.

The two components are mixed on site by a SOLUTIONS Genyk Inc.-qualified installer (see "Qualified installers" section) with fixed-ratio positive displacement equipment. The colour of the final cured product is lime green.

Site-manufactured product

This is a site-manufactured product; it is 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:

	Manufacturing plant
Product name	Shawinigan, QC, CA
BOREAL NATURE elite	◇

◇ 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

The product's minimum site density, long-term thermal resistance (LTTR), water vapour permeance (WVP) and time-to-occupancy values are provided in the table below:

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

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⁾ (day)
BOREAL NATURE elite	32.0 [2.00]	1.96	34	1

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, "Standard for Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Application."
- 2 The 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.
- 3 For retrofit construction, the time to occupancy is one (1) day when the segregated retrofit area is ventilated as required by CAN/ULCS705.2 during installation of the product.

• Qualified installers

This is a site-manufactured product whereby SOLUTIONS Genyk Inc. requires that only specific, qualified installers be authorized to install its proprietary spray-polyurethane insulation in buildings. In accordance with the SOLUTIONS Genyk Inc. site quality assurance program (SQAP), the certification organization Urethane Foam Consultants, Inc. (UFC) has been commissioned to license the specified installers and issue the requisite UFC identification card to them. All specified installers must have a UFC identification card.

• Third-party site auditing of qualified installers

As part of its SQAP, SOLUTIONS Genyk Inc. also stipulates that site-audit inspections be conducted by site inspectors licensed by UFC. Upon completion of the site audit, UFC will report the product's conformity results and any corrective action required, if necessary, to SOLUTIONS Genyk Inc.

Building officials who would like site-audit inspections conducted on specific building sites can contact UFC at:

Urethane Foam Consultants Inc. (UFC)
160 Main St. South, Suite 547
Brampton, ON L6W 4C1
Tel.: 905-702-2555

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.

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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:

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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)



(Saskatchewan Building Officials Association (SBOA))

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(Ontario Building Officials Association (OBOA))

New Brunswick Building Officials Association (NBBOA)



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(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