



Evaluation Listing CCMC 14178-L

JM Corbond IV® Canada

MasterFormat: 07 21 19.02
Evaluation issued: 2021-02-26

1. Evaluation

The product conforms to CAN/ULC-S705.1-15, “Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material Specification.” The product’s minimum site density, design long-term thermal resistance (LTTR), water vapour permeance (WVP) and time-to-occupancy values are provided in Table 1.1.

Table 1.1 Minimum Site Density, Design 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⁾ (hours)
JM Corbond IV	29.5 [1.84]	1.81	41	25

Notes to Table 1.1:

- (1) Based on the qualification testing to CAN/ULC-S705.1-15, 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. 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 25 hours when the segregated retrofit area is ventilated as required by CAN/ULC-S705.2 during installation of the product. See Table 1, Note 4 in the Annex for the product for further details.

2. Description

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 14178-L:”

- Isocyanate (Component A): “ISO”, and
- Resin (Component B): “JM Corbond® IV Canada” resin.

The two components are mixed on site by a Johns Manville-qualified installer (see Section 3.1) with fixed-ratio positive displacement equipment. The colour of the final cured product is Grey.

3. Standard and Regulatory Information

See the Annex appended to this Listing, which summarizes the product standard.

This/These product(s) was/were evaluated to the product standard referenced in the Annex current as of 2020-03-24. Note that the Annex may have been updated since this Listing was issued to include more recent editions of the applicable product standard. Therefore, this listing may not reflect the requirements contained in any updated version of this product standard.

3.1 Qualified Installers

This is a site-manufactured product whereby Johns Manville requires that only specific, qualified installers be authorized to install its proprietary spray-polyurethane insulation in buildings. In accordance with the Johns Manville site quality assurance program (SQAP), the certification organization (CO) 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.

3.2 Third-Party Field Auditing of Qualified Installers

As part of its SQAP, Johns Manville also stipulated that site-audit inspections be conducted by site inspectors licensed by Caliber. Upon completion of the site audit, Caliber will report the product's conformity results and any corrective action required, if necessary, to Johns Manville. Building officials who would like site-audit inspections to be conducted on specific building sites can contact Caliber at:

Caliber Quality Solutions Inc.
605-2323 Yonge Street
Toronto, ON M4P 2C9

Telephone: 888-572-7435

Listing Holder

Johns Manville
717 17th Street
Denver, CO 80202-3330
USA

Telephone: 800-654-3103

Email: buildinginsulation@jm.com

Web site: www.jm.com

Site-finished Product

The foam insulation is a site-manufactured product.

Plant – Raw Materials

Belgrade, MT, USA

Disclaimer

This evaluation is issued by the Canadian Construction Materials Centre (CCMC), a program 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 Evaluations and Certifications and the legislated applicable building code in effect.

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 <https://nrc.canada.ca/en/certifications-evaluations-standards/canadian-construction-materials-centre> or contact the 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. Revised: 2019-12-02

Date modified:
2021-02-26

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.