



Evaluation Listing CCMC 13359-L EcoBay™ CC CAN / EcoBay™ CC Arctic CAN

MasterFormat:	07 21 19.02
Evaluation issued:	2011-01-17
Re-evaluated:	2018-02-20
Re-evaluation due:	2020-01-17

1. Evaluation

The product conforms to CAN/ULC-S705.1-01, "Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density – Material – Specification," including Amendments 1 and 2. The product's classification, minimum site density, long-term thermal resistance (LTTR), water vapour permeance (WVP) and the time-to-occupancy values are provided in Table 1.1.

Table 1.1 Classification, Site Density, LTTR, WVP and Time-to-Occupancy Specifications for the Product

Product	Classification	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)
EcoBay™ CC CAN / EcoBay™ CC Arctic CAN	Type 2	33.3 [2.08]	2.00	41.0	1

Notes to Table 1.1:

- (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, "Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density – Application."
- (2) 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.
- (3) For retrofit construction, the time to occupancy is one (1) day when the segregated retrofit area is ventilated as required by CAN/ULC-S705.2 during installation of the product. See Note 3 of Table 1 in the Annex for the product for further details.

2. Description

The product is a closed-cell, spray-applied, rigid polyurethane foam of medium density. The foam system consists of two components that must be labelled as follows along with "CCMC 13359-L:"

- "EcoBay™ CC CAN ISO" or Foamsulate™ A isocyanate; and
- "EcoBay™ CC CAN" or "EcoBay™ CC Arctic CAN" polymeric resin.

The two components are mixed on-site by an Covestro LLC -qualified installer (see Section 3.1) with fixed-ratio positive displacement equipment. The colour of the installed final cured product is teal.

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 2011-04-13. 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 Covestro LLC. requires that only specific, qualified installers be authorized to install their proprietary spray-polyurethane insulation in buildings. In accordance with the Covestro LLC. site quality assurance program (SQAP), Urethane Foam Consultants (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.

3.2 Third-party Site Auditing of Qualified Installers

As part of their SQAP, Covestro LLC 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, if necessary, to Covestro LLC. Building officials who would like site-audit inspections to be conducted on specific building sites can contact UFC at:

Urethane Foam Consultants
Suite 547, 160 Main St. S
Brampton, ON L6W 4C1

Tel.: 888-572-7435

Listing Holder

Covestro LLC
2400 Spring Stuebner Road West
Spring, TX 77389
USA

Tel.: 281-350-9000

Site-Finished Product

The foam insulation is a site-manufactured product.

Plant(s) – Raw Materials

Spring, TX, USA

Disclaimer

This Listing is issued by the Canadian Construction Materials Centre, a program of the NRC Construction Research Centre at the National Research Council of Canada. The Listing must be read in the context of the entire CCMC Registry of Product Evaluations.

Readers must confirm that the Listing is current and has not been withdrawn or superseded by a later issue. Please refer to http://www.nrc-cnrc.gc.ca/eng/solutions/advisory/ccmc_index.html, or contact the Canadian Construction Materials Centre, NRC Construction Research Centre, National Research Council of Canada, 1200 Montreal Road, Ottawa, Ontario, K1A 0R6. Telephone 613-993-6189. Fax 613-952-0268.

NRC has evaluated the material, product, system or service described herein only for those characteristics stated herein. The information and opinions in this Listing are directed to those who have the appropriate degree of experience to use and apply its contents. This Listing is provided without representation, warranty, or guarantee of any kind, expressed, or implied, and the National Research Council of Canada (NRC) provides no endorsement for any evaluated material, product, system or service described herein. NRC accepts no responsibility whatsoever arising in any way from any and all use and reliance on the information contained in this Listing. 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.

Date modified:
2018-02-27