UNDERSTANDING CCMC LISTINGS FOR SPRAY POLYURETHANE FOAM INSULATION

CCMC is a third party listing agency that verifies which version of the standard a product meets.

The first statement of the CCMC report identifies the edition of the standard that a product has been evaluated to. Make sure that this edition of the standard meets the requirements of your province’s code.


For Ontario, spray foams must meet CAN/ULC-S705.1-15 to ensure compliance with the Ontario building code for permits issued after January 1, 2020. Foams that meet earlier versions of the standard (CAN/ULC S705.1-01) may need to be removed if deemed necessary by the AHJ.

CAN/ULC S705.1-15 has the following updates:
- Tighter limits for dimensional stability
- Requires fungi resistance testing
- Requires Long Term Thermal Resistance Testing to CAN/ULC S770-09, a more complex than CAN/ULC S770-03 which is referenced in CAN/ULC S705.1-01.

Why do we see the Annex to the listings show that the product has been evaluated to several possible editions of CAN/ULC S705.1?

The ANNEX portion of the CCMC listing contains general information about the standards that are included in the National and/or Provincial codes. The ANNEX is the same in every CCMC report.

It does not include information about a specific product and should not be used to determine which version of the standard a product meets.

To confirm which standard a product complies with, refer to the first sentence of the CCMC report under the section titled, “1. Evaluation.”

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### Table 1.1 Minimum Site Density, LTRR, WVP and Time-to-Occupancy Specifications for the Product

<table>
<thead>
<tr>
<th>Product</th>
<th>Minimum Site Density (kg/m³)</th>
<th>50 mm LTRR (m²·C/W)</th>
<th>50 mm WVP (ng/(Pa·s·m²))</th>
<th>Time-to-Occupancy (day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wallitte® CM01</td>
<td>29.67 [1.85]</td>
<td>1.82</td>
<td>56</td>
<td>1</td>
</tr>
</tbody>
</table>

### 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 retrofitted area is ventilated as required by CAN/ULC-S705.2 during installation of the product. See Note 3 in Table 1 in the Annex for the product for further details.

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Spray-Applied Rigid Polyurethane Foam Insulation, Medium Density [Annex]

### Scope

These Evaluation Listings apply to spray-applied, rigid polyurethane foam of medium density intended for use as thermal insulation for both building and non-building applications, whether applied on a building site or in a prefabrication (manufacturing) process. This material is also known as formed-in-place insulation. The continuous-use temperature is within the range of -60°C to +80°C.

The proponent has demonstrated that the product meets one or all of the following standards (see Table 1 for the performance requirements):


Spray-applied, rigid polyurethane foam of medium density must be installed by a licensed installer in accordance with the manufacturer’s instructions and the following standard:


For compliance to CAN/ULC-S705.2, users should contact the third-party organization that has been identified by the foam manufacturer as the third party operating the site-quality assurance program (SQAP) for the foam product (see product listing).