Evaluation Report CCMC 13508-R
Cedar Impressions – Polypropylene Siding Products

MasterFormat: 07 46 33.04
Evaluation issued: 2010-04-13
Re-evaluated: 2016-06-23
Re-evaluation due: 2019-04-13

1. Opinion

It is the opinion of the Canadian Construction Materials Centre (CCMC) that “Cedar Impressions – Polypropylene Siding Products”, when used as an exterior siding for buildings of combustible construction in accordance with the conditions and limitations stated in Section 3 of this Report, complies with the National Building Code (NBC) of Canada 2015:

- Clause 1.2.1.1.(1)(b), Division A, as an alternative solution that achieves at least the minimum level of performance required by Division B in the areas defined by the objectives and functional statements attributed to the following applicable acceptable solutions:
  - Subsection 9.27.2., Required Protection from Precipitation
  - Subsection 9.27.3., Second Plane of Protection
  - Subsection 9.27.5., Attachment of Cladding
  - Article 9.27.12.2., Attachment (Vinyl Siding)

This opinion is based on CCMC’s evaluation of the technical evidence in Section 4 provided by the Report Holder.

Ruling No. 10-10-247 (13508-R) authorizing the use of this product in Ontario, subject to the terms and conditions contained in the Ruling, was made by the Minister of Municipal Affairs and Housing on 2010-06-23 (revised on 2014-09-18) pursuant to s.29 of the Building Code Act, 1992 (see Ruling for terms and conditions). This Ruling is subject to periodic revisions and updates.

2. Description

The wall siding panels and corners are made of injection-moulded, press-formed polypropylene. They are fastened to the building structure through pre-punched nailing slots located along the top edge of the panel, which are concealed after the upper panel is installed.

3. Conditions and Limitations

CCMC’s compliance opinion in Section 1 is bound by the “Cedar Impressions – Polypropylene Siding Products” being used in accordance with the conditions and limitations set out below:

- The siding panels must be installed on furring to provide a second plane of protection that consists of a continuous, clear, uninterrupted air space not less than 10 mm outboard of the sheathing membrane.
- The furring must be installed over the sheathing membrane.
- The system requires flashing at appropriate locations in order for water to drain to the outside.
- Furring for the attachment of the cladding must be no less than 19 mm × 38 mm, must be securely nailed to the sheathing or framing, and must be spaced not more than 600 mm on centre (o.c.).
- The product must be clearly identified with the phrase “CCMC 13508-R.”
4. Technical Evidence

The Report Holder has submitted technical documentation for CCMC’s evaluation. Testing was conducted at laboratories recognized by CCMC. The corresponding technical evidence for this product is summarized below.

4.1 Material Requirements

4.1.1 Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Requirement</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact resistance</td>
<td>N·m</td>
<td>≥ 3.95</td>
<td>Pass</td>
</tr>
<tr>
<td>Weathering</td>
<td>Not applicable</td>
<td>Siding must be free of any structural changes or visible surface changes, such as peeling, chipping, cracking, flaking or pitting.</td>
<td>Pass</td>
</tr>
</tbody>
</table>

4.2 Performance Requirements

4.2.1 Wind Load Resistance

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Requirement</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deformation (sustained pressure)</td>
<td>Pa</td>
<td>Sustained for 1 h ≥ 1 000 Pa</td>
<td>Pass</td>
</tr>
<tr>
<td>Repeated positive and negative pressure test</td>
<td>Pa</td>
<td>2 000 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>(cyclic pressure)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety test (gust loads)</td>
<td>Pa</td>
<td>Resist gust wind above 2 180 Pa</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Report Holder

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Plant(s)

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Date modified: 2016-07-05