



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

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### 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 4.1.1.1 Results of Testing the Physical Properties of the Product

Property	Unit	Requirement	Result
Impact resistance	N·m	≥ 3.95	Pass
Weathering	Not applicable	Siding must be free of any structural changes or visible surface changes, such as peeling, chipping, cracking, flaking or pitting.	Pass

### 4.2 Performance Requirements

#### 4.2.1 Wind Load Resistance

Table 4.2.1.1 Results of Testing the Wind Load Resistance of the Product

Property	Unit	Requirement	Result
Deformation (sustained pressure)	Pa	Sustained for 1 h ≥ 1 000 Pa	Pass
Repeated positive and negative pressure test (cyclic pressure)	Pa	2 000 cycles	Pass
Safety test (gust loads)	Pa	Resist gust wind above 2 180 Pa	Pass

## Report Holder

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## Plant(s)

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