Evaluation Report CCMC 13420-R
Revêtement de Polymère

MasterFormat:	07 46 33.04
Evaluation issued:	2009-07-07
Re-evaluated:	2019-03-22
Revised:	2020-02-13

1. Opinion

It is the opinion of the Canadian Construction Materials Centre (CCMC) that "Revêtement de Polymère," 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)(a), Division A, using the following acceptable solutions from Division B:
  - Subsection 9.27.2., Required Protection from Precipitation
  - Subsection 9.27.5., Attachment of Cladding

- 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:
  - Article 9.27.12.1., Material Standard (Vinyl Siding)

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

Ruling No. 14-23-319 (13420-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 2014-10-27 (revised 2018-04-04) 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-molded, press-formed polypropylene and 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. "Revêtement de Polymère" has a nominal wall thickness of 2.03 mm to 3.18 mm.

The products evaluated that fall under CCMC 13420-R are:

- "Revêtement de Polymère":
  - Beach House Shake™
  - NovikBrick™ DHL
  - NovikBrick™ HL
  - NovikPlank™ D6
  - NovikShake™ HR
  - NovikShake™ HS
  - NovikShake™ NP
  - NovikShake™ RS
  - NovikShake™ RS8
  - NovikShake™ SE
  - NovikStone™ AC – Artisan Cut
  - NovikStone™ DS
  - NovikStone™ FS
  - NovikStone™ HC
  - NovikStone™ PHC
  - NovikStone™ RR
  - NovikStone™ SK
  - Portsmouth™ Cedar Shingle D7
  - Portsmouth™ Cedar Shingle S7
  - TandoShake™
  - TandoShake™ Cape Cod Perfection
  - TandoShake™ Rustic Cedar 6

3. Conditions and Limitations

The CCMC compliance opinion in Section 1 is bound by the “Revêtement de Polymère” being used in accordance with the conditions and limitations set out below:

- The siding panels must be installed on furring providing a second line of defence that consists of a continuous, clear, uninterrupted air space between 10 mm and 19 mm outboard of the sheathing membrane.
- The furring must be installed over the sheathing membrane.
- The system requires flashing at appropriate locations in order to drain water to the outside.
- Furring for the attachment of the cladding must be securely nailed to the sheathing or framing, spaced not more than 600 mm on centre (o.c.), and be not less than 19 mm × 38 mm.
- The product must be clearly identified with the phrase “CCMC 13420-R” on its packaging.

4. Technical Evidence

The Report Holder has submitted technical documentation for the CCMC 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 (NovikShake™ RS)

Property	Requirement	Result
Impact resistance (N·m)	≥ 3.95	Pass
Weathering	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 (NovikShake™ RS)

Property	Unit	Requirement	Result
Deformation (sustained pressure)	–	Sustained for 1 h ≥ 1 000	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

Derby Building Products Inc.
160, rue des Grands Lacs
St-Augustin-de-Desmaures, QC G3A 2K1

Telephone: 418-878-6161
Fax: 418-878-6164
Email: info@novik.com
Web site: www.novik.com

Plant(s)

St-Augustin-de-Desmaures, QC

Disclaimer

This Report is issued by the Canadian Construction Materials Centre, a program of the Construction Research Centre at the National Research Council of Canada. The Report must be read in the context of the entire CCMC Registry of Product Evaluations, including, without limitation, the introduction therein which sets out important information concerning the interpretation and use of CCMC Evaluation Reports.

Readers must confirm that the Report 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, 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 Report are directed to those who have the appropriate degree of experience to use and apply its contents. This Report 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 Report. 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:
2020-02-19