Evaluation Listing CCMC 14137-L
Lux Architectural Panel

MasterFormat: 07 46 16.02
Evaluation issued: 2019-10-02

1. Evaluation

The product conforms to CAN/CGSB-93.4-92, "Galvanized Steel and Aluminum–Zinc Alloy Coated Steel Siding, Soffits and Fascia, Prefinished, Residential."

2. Description

The V-groove aluminum-zinc alloy coated steel siding product is available in 100 mm (4 in.) and 150 mm (6 in.) panel widths and are cut to custom lengths from 1.22 m (4 ft.) to 7.32 m (24 ft.). The product is classified as horizontal type and vertical and its class is patterned.

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 2019-09-26. 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.

4. Listing Holder

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5. Plant(s)

Edmonton, AB

6. Disclaimer

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2019-10-04

Galvanized Steel and Aluminum-Zinc Alloy Coated Steel Siding, Soffits and Fascia, Prefinished, Residential [Annex]

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Scope

This standard applies to prefinished steel siding, soffits and fascia and related components for the exterior cladding of housing and small buildings.

The testing and evaluation of a product against this standard may require the use of hazardous materials and/or equipment. This standard does not purport to address all the safety aspects associated with the standard's use. Anyone using this standard has the responsibility to consult with the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

Table 1. Classification Type per CAN/CGSB-93.4-92

Type
Horizontal siding
Vertical siding
Soffit and fascia facings and all exposed trim

Table 2. Classification Class per CAN/CGSB-93.4-92

Class
Plain
Patterned

Table 3. Detailed Requirements per CAN/CGSB-93.4-92

Materials
Siding, soffit and fascia facings and related components shall be made of prefinished galvanized sheet steel that conforms to CAN/CGSB-93.3.
Colour and gloss shall be as agreed between user and supplier.
The base galvanized sheet steel shall conform to ASTM A 526/A 526M and a zinc designation of Z 275. The base aluminum-zinc alloy (AZ) coated sheet steel shall conform to ASTM A 792M/A 792M and an aluminum-zinc alloy coating designation of AZ 150. The minimum thickness of the coated steel shall be 0.30 mm.
Backing Material (if used)
If a backing material is supplied, the material used shall be certified by the supplier to be fungi- and vermin-resistant. The thickness of the backing shall not be less than 9.5 mm when made of wood fibre composite board conforming to CAN/CSA-A247-M or polystyrene conforming to CAN/CGSB-51.20, and not less than 6.4 mm when made of polyurethane.
Installation Hardware
Fasteners such as nails, screws, staples and similar devices used to secure siding and facing components and installation accessories shall be hot-dipped galvanized coated or equivalent.
J-trim, sill trim, flashing, corner posts, starter strips, and other devices used in installation with siding and facing shall be of galvanized steel ASTM A 526/A 526M, coating designation Z 275, unless otherwise specified. If material other than galvanized steel is specified, it shall be compatible with galvanized steel.

Materials
Installation Hardware, cont.
Sealing compounds used in conjunction with sidings and facings shall be of types that conform to the requirements of one of the following CGSB standards, unless a particular one of these is specified: • CGSB 19-GP-5 • CAN/CGSB-19.13 • CGSB 19-GP-14, or • CGSB-19.18. The sealing compounds shall be compatible with the coating and base metal, and, when specified, shall be pigmented to match the colour of the coating.

Table 4. Deformation Resistance Requirements per CAN/CGSB-93.4-92

Deformation Resistance
When tested, the deformation of the siding shall not be more than 5.1 mm on standard panels subjected to 8.3 J impact using a 50 mm diameter steel ball.

Table 5. Cladding Requirements per CAN/CGSB-93.4-92

GENERAL	
Uniform and matching profile	
Provision for free movement to accommodate thermal expansion and contraction	
Snug fit for related components	
Provision for venting and drainage of space immediately behind the panel (or backing material) to permit escape of moisture	
Resistance to water penetration from exterior	
SIDING PANELS (Vertical and Horizontal)	
Property	**Requirement**
Fastener holes	Pre-punched slot not less than 9 mm and not more than 50 mm in centre-to-centre spacing
Vent openings	Not less than 3 mm in the major dimension and at least equal to the base metal thickness in the minor dimension, located at centre-to-centre spacings of not more than 500 mm
ACCESSORIES	
Accessories shall ensure a snug fit and provide the required support. All trim required to act as a flashing shall comply with the requirements of the National Building Code of Canada except that the minimum thickness of the galvanized steel and the aluminum-zinc alloy coated steel shall be 0.30 mm.	
PERFORMANCE	
Coated siding, soffit and fascia facing shall comply with the requirements for exterior cladding as defined in the National Building Code of Canada.	

Labelling

In compliance with CAN/CGSB-93.4-92, Section 7.1, all types of cladding components and prefinished galvanized steel and aluminum-zinc alloy coated steel sheet for field fabrication shall be suitably packaged for protection against damage in handling and shipping.

In compliance with CAN/CGSB-93.4-92, Section 7.2, packaging must be marked with the following information:

- supplier's name;
- type of cladding component;
- class of cladding component;
- colour of coating;
- kind of backing, if any;
- quantity (for siding panels, expressed in terms of effective coverage); and
- "CAN/CGSB-93.4-92."

The packaging must also be marked with the phrase "CCMC XXXXX-L," which must be both visible and legible.

Where permanently identifying a product is not possible, other forms and methods of identification may be allowed pending review and approval by CCMC. Where applicable, the product must be marked with:

- any necessary user safety information, unless a separate information sheet is provided; and
- any additional information required by applicable acts and regulations.

National Building Code of Canada (NBC)

NBC 2015 References

CAN/CGSB-93.4-92 is referenced in Table 5.9.1.1 and Sentence 9.27.11.1(1) of Division B of the NBC 2015.