

## **BUILDING PRODUCT LISTING PROGRAM**

Customer: Canadian Curtis, Inc.  
Class: Insulated Metal Panels  
Location: Stoney Creek, Ontario Canada

Listing No. B1164  
Project No. B1164-1 Edition 2

Effective Date: April 22, 2025  
Last Revised Date: September 18, 2025

Standards: CAN/ULC S102-19 *Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.*  
CAN/ULC S127-14 *Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Foam Plastic Building Materials.*  
CAN/ULC S138-06 *Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration.*  
(R2021)  
ASTM C518-21 *Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.*

Product: Factory Assembled Insulated Metal Panels (IMP) for Walk-In Coolers and Freezers.

Markings: Each panel is marked with a permanent label containing the following information:

- a) Manufacturers name or recognized trademark
- b) Product name
- c) Traceability code.
- d) QAI file number: B1164
- e) Panel thickness requirements.
- f) QAI logo shown here:



Rating(s): Canadian Curtis factory assembled IMP have achieved the following ratings for methods outlined:

Canadian Curtis IMP surface burning characteristics determined in accordance with CAN/ULC S102:

| Model(s)   | Flame Spread Index | Smoke Developed Index | Maximum Thickness mm (inches) | Density Max. kg/m <sup>3</sup> (lbs/ft <sup>3</sup> ) |
|--|--------------------|-----------------------|-------------------------------|---|
| Canadian Curtis IMP (Without Steel Skin)   | ≤ 500 <sup>1</sup> | ≥ 500                 | 102 (4)                       | 40.0 (2.5)  |
| Canadian Curtis IMP (Evaluated With Steel Skin and representative joint <sup>2</sup> ) | ≤ 25               | ≥ 500                 | 102 (4)                       | 40.0 (2.5)  |

Note 1: Flame spread index determined in accordance with CAN/ULC S127 for the foam core without steel skins.

Note 2: Joint was closed with Camlock system, with Kason Rubba Seal treatment applied to finished panel joint.

Canadian Curtis IMP when installed in accordance with details listed below, have been found to meet requirements of CAN/ULC S138:

| QAI Design #                | Model(s)   | CAN/ULC-S138 Compliant Assembly   |
|-----------------------------|--|---|
| <b>B1164-1a<sup>1</sup></b> | Canadian Curtis wall, floor and ceiling panels.<br><br>Maximum 102 mm (4 inches) thickness | Sprinklered Room compliant when equipped with 68°C (155°F) activation temperature, standard response pendant style listed sprinklers listed by an approved agency.<br><br>Panels are joined with camlock hardware. Joints finished with Kason Rubba Seal joint treatment at wall joints, and floor / ceiling to wall intersections.<br><br>Optional metal flashing can be installed at corners and wall to ceiling intersections. |

Note 1: The above assembly has been evaluated and found compliant per 2020 NBC Section 3.1.5.7 Factory-Assembled Panels Clause 1) for use in Non-Combustible Construction for buildings that are sprinklered, < 18 meters high, have no Group A Group B or Group C major occupancies, with the panel having no air spaces, and where panels are used in application where flame spread ratings 10 – 150 are required. Flame spread rating of ≤ 25 is noted as Canadian Curtis IMP with joint, with surface burning ratings determined per CAN/ULC S102.

Canadian Curtis IMP have the following thermal resistivity and minimum thickness required for compliance with National Resources Canada (NRCAN) Energy Efficiency Regulation requirements when evaluated per ASTM C518 for applications noted<sup>1</sup>:

| Application                           |                   | Thermal Resistivity m <sup>2</sup> K/W (hr <sup>2</sup> ft <sup>2</sup> °F / Btu <sup>2</sup> in) | Minimum Thickness mm (inches)                        |
|---------------------------------------|-------------------|---|--|
| Walk-In Cooler<br>Mean 12.8°C (55°F)  | Structural (Wall) | 49.3 (7.1)  | 90 (3.75) @ RSI 4.40 m <sup>2</sup> K/W (25 R-value) |
|                                       | Floor             |   | 102 (4) @ RSI 4.93 m <sup>2</sup> K/W (28 R-value)   |
| Walk-In Freezer<br>Mean -6.7°C (20°F) | Structural (Wall) | 56.4 (7.9)  | 102 (4) @ RSI 5.64 m <sup>2</sup> K/W (32 R-value)   |
|                                       | Floor             |   | 102 (4) @ RSI 5.64 m <sup>2</sup> K/W (32 R-value)   |

Note 1: Evaluation was conducted in accordance with 10 CFR-2017, Part 431, Subpart R, Appendix B.

Notes: Products must be installed with the manufacturer's published installation instructions and in accordance with the building codes recognized by the authority having jurisdiction.

Listed manufacturers are subject to on-going inspections by QAI to ensure that the products outlined above remains as it is listed.

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