

BUILDING PRODUCT LISTING PROGRAM

Customer: Falk Panels Canada Ltd.
Class: Insulated Metal Panels
Location: Calgary, Alberta Canada
Website: www.falkpanels.ca

Listing No. B1102-1
Project No. B1102-1 Edition 1

Effective Date: September 1, 2018
Last Revised Date: September 1, 2018
Expires: N/A

Standards: CAN/ULC S102	<i>Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies</i>
CAN/ULC S127	<i>Standard Corner Wall Method of Test for Flammability Characteristics of Non-Melting Foam Plastic Building Materials.</i>
CAN/ULC S126	<i>Standard Method of Test for Fire Spread Under Roof-Deck Assemblies</i>
CAN/ULC S138	<i>Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration</i>
CAN/ULC S101	<i>Standard Methods of Fire Endurance Tests of Building Construction and Materials</i>
ASTM E84	<i>Standard Test Method for Surface Burning Characteristics of Building Materials</i>
ASTM E283	<i>Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen</i>
ASTM E331	<i>Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference</i>

Product: 1000 TR/GL Roof / Wall Panels
1000 TR+ Roof / Wall Panels
1060 WB Wall Panels

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

- a) Manufacturers name or recognized trademark
- b) Product name
- c) Date of manufacture
- d) QAI file number: B1102
- e) QAI logo shown here:



Models / Ratings: Falk Panels Canada Ltd. surface burning characteristics determined in accordance with ASTM E84:

Model(s)	Flame Spread Index	Smoke Developed Index	Thickness Max. (inch)	Density Max. kg/m ³
1000 TR 1000 TR+ (w/o Steel Skin)	≤ 25	≤ 450	7-1/4	40
1000 TR 1000 TR+ (with Steel Skin)	≤ 25	≤ 450	7-1/4	40

Falk Panels Canada Ltd. surface burning characteristics determined in accordance with CAN/ULC-S102:

Model(s)	Flame Spread Index	Smoke Developed Index	Thickness Max. (mm)	Density Max. kg/m ³
1000 TR 1000 TR+ (w/o Steel Skin)	≤ 365 ¹	≤ 250	185	40
1000 TR 1000 TR+ (with Steel Skin)	≤ 10	≤ 250	185	40
1060 WB (w/o Steel Skin)	≤ 300 ¹	≤ 250	140	40
1060 WB (with Steel Skin)	≤ 10	≤ 250	140	40

Note 1: Flame spread index determined in accordance with CAN/ULC S127.

Falk Panels Canada Ltd. products ratings determined in accordance with CAN/ULC-S138:

QAI Design #	Model(s)	CAN/ULC-S138
B1102-1a²	1000 TR/GL 1000 TR+ 1060 WB	Sprinklered Room Compliant when equipped with 68°C (155°F) activation temperature, pendant style listed sprinklers. Panel joint treatment optional.

Note 2: *The above assembly has been evaluated and found compliant for Protection of Foam Plastic in Combustible Construction as outlined in Section 3.1.4.2 of the 2015 National Building Code of Canada (NBC).*

The above assembly has been evaluated and found compliant for Factory Assembled Panels 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, as outlined in Section 3.1.5.7 of the 2015 NBC and where panels are used in application where flame spread ratings required are ≤ 10..

Falk Panels Canada Ltd. products ratings determined in accordance with CAN/ULC-S101 15-minute stay in place when used as wall panels:

QAI Design #	Model(s)	Fire Endurance	Openings
B1102-1b³	1000 TR/GL 1000 TR+ 1060 WB	15 Minutes	No Openings Developed.

Note 3: *The above assembly has been evaluated and found compliant for Protection of Exterior Building Face where the maximum permitted area of unprotected openings is > 10% of the exposing building face, containing foam plastic insulation in an exterior wall of buildings > 3 stories per Section 3.2.3.8 (2) of the 2015 National Building Code of Canada through testing to CAN/ULC S101.*

Falk Panels Canada Ltd. products air permeance ratings determined with ASTM E283:

Model(s)	Thickness Minimum mm (in.)	Density Nominal kg/m ³ (lbs/ft ³)	Air Leakage @ 75 Pa l/s*m ²	Air Leakage @ 300 Pa l/s*m ²
1000 TR 1000 TR+ (No Joint Treatment)	60 (2-3/8)	36 (2.3)	0.08	0.20
1000 TR 1000 TR+ (Butyl Sealant)	60 (2-3/8)	36 (2.3)	0.00	0.01
1060 WB (No Joint Treatment)	60 (2-3/8)	36 (2.3)	0.02	0.08

Falk Panels Canada Ltd. products water penetration ratings determined with ASTM E331:

Model(s)	Thickness Minimum mm (in.)	Density Nominal kg/m ³ (lbs/ft ³)	Water Penetration @ 6.24 psf (300 Pa) 2 Hours	Water Penetration @ 15..4 psf (720 Pa) 15 Minutes
1000 TR 1000 TR+ (No Joint Treatment)	60 (2-3/8)	36 (2.3)	-	-
1000 TR 1000 TR+ (Butyl Sealant) ²	60 (2-3/8)	36 (2.3)	Pass	Pass
1060 WB (No Joint Treatment) ²	60 (2-3/8)	36 (2.3)	Pass	Pass

Note 2: Assemblies comply with Section 1403.2 of International Building Code 2018 for weather protection based on testing to ASTM E331 as described.

Notes:

Products must be installed with the manufacturer’s 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.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warranty is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
