

## **BUILDING PRODUCT LISTING PROGRAM**

Customer: AL13 Architectural Systems  
Class: Metal Composite Material Wall Panels  
Location: Delta, British Columbia, Canada  
Website: [www.al13.com](http://www.al13.com)  
Listing No. B1120-1  
Project No. B1120-1, Edition 5

Effective Date: March 31, 2019  
Last Revised Date: December 18, 2024  
Expires: N/A

Standards: CAN/ULC S134-13 *Standard Method of Fire Test of Exterior Wall Assemblies.*  
CAN/ULC S102-18 *Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.*  
NFPA 285-2019 *Standard Fire Test Method for Evaluation for Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components.*  
ASTM E84-20 *Standard Test Method for Surface Burning Characteristics of Building Materials*  
ASTM E2768-11 *Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials*

Product: AL13 Aluminum Composite Panels (ACP) of the following types:

1. FR Panels.
2. FR-1 Panels.

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

- a) Manufacturer's name or recognized trademark, AL13.
- b) Product name.
- c) Batch Number.
- d) Date of Manufacture: Year/Month/Day.
- e) QAI file number: B1120
- f) CAN/ULC S102 / ASTM E84 Flame Spread Index and Smoke Developed Indices as noted in this listing.
- g) QAI logo shown here:



Models / Ratings: AL13 ACP used as cladding on exterior wall assemblies as described below have the following ratings when evaluated in accordance with CAN/ULC S134:

AL13 EXTERIOR WALL ASSEMBLY CAN/ULC S134					
QAI Design #	PRODUCT	Heat Flux at 3.5 m	Flame Spread (meters)	Maximum Thickness (mm)	Conditions of Use
B1120-1a	FR Panel	≤ 35 kW/m <sup>2</sup>	< 5.0	4	Installation to be in accordance with QAI Design B1120-1a

AL13 ACP surface burning characteristics determined in accordance with CAN/ULC-S102:

AL13 CAN/ULC S102 Ratings			
Model(s)	Flame Spread Index	Smoke Developed Index	Maximum Thickness (mm)
FR	≤ 25	≤ 50	4
FR-1	≤ 25	≤ 50	4

AL13 ACP used as cladding on exterior wall assemblies as described below have met the requirements of NFPA 285:

AL13 NFPA 285 Compliant Exterior Wall Assemblies			
QAI Design #	Model(s)	Maximum Thickness	Conditions of Use
B1120-1b	FR-1	0.16" (4mm)	Installation to be in accordance with QAI Design B1120-1b

AL13 ACP surface burning characteristics determined in accordance ASTM E84:

AL13 ASTM E84 Surface Burning Characteristic Ratings			
Model(s)	Flame Spread Index	Smoke Developed Index	Maximum Thickness (mm)
FR	≤ 25	≤ 50	4
FR-1	≤ 25	≤ 50	4



AL13 ACP extended duration surface burning characteristics determined in accordance ASTM E84 extended 20 minutes / ASTM E2768<sup>1</sup>:

AL13 ASTM E2768 Surface Burning Characteristic Ratings			
Model(s)	Flame Spread Index	Smoke Developed Index	Maximum Thickness (mm)
FR	≤ 25	≤ 50	4
FR-1	≤ 25	≤ 50	4

Note 1: Product complies for use as ignition resistant in accordance with NFPA 1144.

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.

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