QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

VANCOUVER, BC: 877.461.8378 ph. | 604.527.8368 fx.
LOS ANGELES, CA: 909.483.0250 ph. | 909.483.0336 fx.
WASHINGTON, DC: 540.636.9445 ph. | 540.636.9414 fx.
TULSA, OK: 918.437.8333 ph. | 918.437.8487 fx.
TORONTO, ON 905.605.5444
SEATTLE, WA 425.512.8419
WEBSITE: WWW.QAI.ORG

BUILDING PRODUCT LISTING PROGRAM

Customer: AL13 Architectural Systems
Class:
Location: Delta, British Columbia, Canada
Website: www.al13.com
Listing No. B1120-1
Project No. B1120-1, Edition 6

Effective Date: March 31, 2019
Last Revised Date: January 12, 2026
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:

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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^2	< 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 EXTERIOR WAL ASSEMBLY NFPA 285			
QAI Design #	Model(s)	Maximum Thickness	Conditions of Use
B1120-1b	FR 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

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AL13 ACP extended duration surface burning characteristics determined in accordance ASTM E84 extended 20 minutes / ASTM E2768[1]:

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.