

BUILDING PRODUCT LISTING PROGRAM

Customer: ANENDA SYSTEMS, INC. DBA AL13 ARCHITECTURAL SYSTEMS
 Class: Building Products
 Location: Delta, British Columbia, Canada
 Website: www.al13.com

Listing No. B1120-2
 Project No. B1120-2 Edition1
 Effective Date: August 21, 2023
 Last Revised Date: October 6, 2025
 Expires: N/A

Standards:	CAN/ULC S102:2018 ASTM E84-18b ASTM E84-21a ASTM E2768-11(2018) CAN/ULC S114:2018 ASTM E136-19 ASTM E136-22 ASTM E330/E330M-14(2021) AAMA 508-21 TAS 202-94 TAS 203-94	<i>Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.</i> <i>Standard Test Method for Surface Burning Characteristics of Building Materials</i> <i>Standard Test Method for Surface Burning Characteristics of Building Materials</i> <i>Standard Test Method for Extended Duration Surface Burning Characteristics for Building Materials (30 min. Tunnel Test).</i> <i>Standard Method of Test for Determination Of Non-Combustibility In Building Materials</i> <i>Standard Test Method for Behavior of Materials In A Vertical Tube Furnace At 750°C. (Option A)</i> <i>Standard Test Method for Behavior of Materials In A Vertical Tube Furnace At 750°C. (Option A)</i> <i>Standard Test Method for Structural Performance of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference</i> <i>Voluntary Method and Specification for Pressure Equalized Rain Screen Wall Cladding Systems</i> <i>Criteria for Testing Impact & Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure.</i> <i>Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.</i>
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Product: AL13's Aluminum Plank Products

Markings: Each pallet of products include a 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) Non-Combustible per CAN/ULC S114 / ASTM E136
 h) QAI logo shown here:



Models / Ratings: The following outlines AL13's Aluminum Plank Product test results determined through testing to the noted standards

AL13 Aluminum Plank AAMA 508 Complying Assembly:

Framing ¹	Sheathing ²	Attachment ³	Approved Cladding	Rating
Wood or steel type of minimum 6" (152 mm) nominal depth.	Minimum ½" (13 mm) sheathing.	Plank slats are attached at maximum 16" (405 mm) on center spacing with AL13 Plank composite clips. Clips are installed into underlying framing with a minimum #10 x 1-¾" (44 mm) length hex head screw.	AL13 Aluminum Plank of maximum 4-1/4" (108 mm) width.	Complies up to 75 mph (120 km/hr) as pressure equalizing

1: Framing including attachment to structure is to comply with the applicable code and be sufficient for resisting wind pressures noted.

2. Sheathing type and attachment of sheathing to framing is to comply with the applicable code and be sufficient for resisting wind pressures noted.

3. Fasteners are to be corrosion resistant and compatible with AL13 clip metal type.

AL13 ASTM E330 Aluminum Plank Rain Screen Assembly:

Framing ¹	Sheathing ²	Attachment ³	Approved Cladding	Ultimate Pressure psf (kPa) ⁴
Minimum nominal 2x4 (38 mm x 89 mm) Southern Yellow Pine (SYP) studs at Maximum 16" (405 mm) on center.	Minimum 5/8" (16 mm) thickness Exterior Grade 1 SYP plywood.	AL13 Plank hidden clips spaced at maximum 16" (405 mm) on center, anchored into underlying framing with one (1) #12 x 2" (51 mm) length hex head screw with EPDM washer.	AL13 Aluminum Plank of maximum 6" (152 mm) width.	203 (9.8)

1: Framing including attachment to structure is to comply with the applicable code and be sufficient for resisting wind pressures noted.

2. Sheathing type and attachment of sheathing to framing is to comply with the applicable code and be sufficient for resisting wind pressures noted.

3. Fasteners are to be corrosion resistant and compatible with AL13 clip metal type.

4. Pressure resistance noted is ultimate pressure negative direction. No factor of safety have been applied. Positive pressure is not included due to presence of sheathing.

AL13 Aluminum Plank is classified non-combustible evaluated in accordance with ASTM E136.

AL13 Aluminum Plank is classified non-combustible evaluated in accordance with CAN/ULC S114.

AL13 Aluminum Plank has the following surface burning characteristics evaluated in accordance with ASTM E84:

AL13 Aluminum Plank ASTM E84 Ratings			
Model(s)	Flame Spread Index	Smoke Developed Index	Class
Aluminum Plank	< 25	≤ 450	A

AL13 Aluminum Plank has the following surface burning characteristics evaluated in accordance with CAN/ULC S102:

AL13 Aluminum Plank CAN/ULC S102 Ratings			
Model(s)	Flame Spread Index	Smoke Developed Index	Thickness
Aluminum Plank	< 25	≤ 50	Unrestricted

AL13 Aluminum Plank met the following when evaluated per ASTM E84 extended 20-minutes (ASTM E2768):

AL13 Aluminum Plank ASTM E84 Extended 20 Minutes (ASTM E2768)				
Model(s)	Flame Spread Index	Significant Combustion	Maximum Flame Front (ft)	Rating ¹
Aluminum Plank	< 25	No	≤ 10.5	Ignition Resistant

1. Ignition resistant classified per NFPA 1144 Standard for Reducing Structure Ignition Hazards from Wildland Fire and per 2022 California Building Code Section 704A.3

AL13 Aluminum Plank Compliant TAS 202, TAS 203 Configurations¹:

Framing ²	Sheathing ³	Attachment ⁴	Approved Cladding	TAS 202 / TAS 203 DP psf (kPa) ⁵
Minimum nominal 2x4 (38 mm x 89 mm) Southern Yellow Pine (SYP) studs at Maximum 16" (405 mm) on center.	Minimum 5/8" (16 mm) thickness Exterior Grade 1 SYP plywood.	AL13 Plank hidden clips spaced at maximum 16" (405 mm) on center, anchored into underlying framing with one (1) #12 x 2" (51 mm) length hex head screw with EPDM washer.	AL13 Aluminum Plank of maximum 6" (152 mm) width.	135 (6.5)

1: Design Pressure evaluation did not include impact evaluation per TAS 201 as installation includes code complying sheathing.

2. Sizing of framing and framing attachment to structure is to comply with the applicable code and be sufficient for resisting wind pressures noted.

3. Sheathing attachment to framing is to comply with the applicable code and be sufficient for resisting wind pressures noted.

4. Fasteners are to be corrosion resistant and compatible with AL13 clip metal type.

5. DP = Design Pressure determined in accordance with TAS 202 static pressure evaluation with a factor of safety of 1.5 applied, and subsequent TAS 203 cyclic evaluation.

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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