



ENGINEERING EVALUATION REPORT

Report Number | 0093-39
Client | Engage Building Products Inc.
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Subject

FastPlank Systems aluminum siding and soffit planks, vertical installation. ASTM E331 Water Penetration Resistance Testing.

Product Description

FastPlank Systems are aluminum cladding planks with fastening clips and trim accessories, serving as an exterior cladding. Planks are extruded 3/64" thick aluminum with a V-Notch™ profile, available in widths of 4" or 6" and lengths of 16'. The plank exterior surface is typically finished with a powder-coat paint in a variety of colors.

Evaluation

Testing of FastPlank siding planks has been conducted in accordance with the referenced test standards at Intertek – Coquitlam, BC location. Intertek is an independent testing laboratory accredited by the International Accreditation Service (IAS).

Assembly No.	Standard	Sample Description ^{1,2,3}	Static Water Penetration Resistance	Test Results
1	ASTM E331-00	6" Aluminum FastPlank Siding on 7/16" OSB Sheathed Wall	120min @ 300 Pa (6.2 psf)	PASS
			15min @ 575 Pa (12.0 psf)	PASS
			15min @ 958 Pa (20.0 psf)	PASS
2	ASTM E331-00	6" Aluminum FastPlank Siding on 1/2" Gypsum Sheathed Wall	120min @ 300 Pa (6.2 psf)	PASS
			15min @ 575 Pa (12.0 psf)	PASS
			15min @ 958 Pa (20.0 psf)	PASS

1. Samples were installed on standard 8'x8' wood-framed walls with 2x4 studs @16" O.C., water-resistive barrier and 2'x3' window opening with flashing, built in accordance with IBC Ch. 14. Each cladding systems contained at least one horizontal and one vertical siding joint in accordance with the manufacturer's installation instructions.
2. A diagram of the assembly details can be found in Figure 1.
3. FastPlank siding planks were installed vertically onto the wall assemblies.

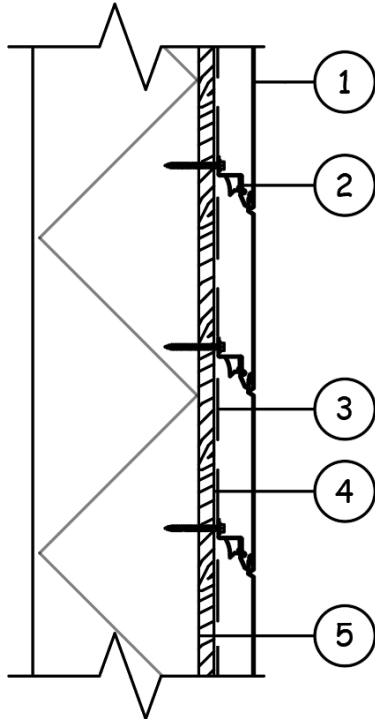
Testing has been completed in conformance with IBC Section 1402.2. ASTM E331-00 (2023) is cited in the 2024 International Building Code (IBC) section 1402.2 Weather Protection and Ch. 35 Reference standards.

Manufacturing Plants, Labeling and Quality Assurance

The products evaluated in this report are sampled at the approved manufacturing locations: Calgary, AB Canada, with third-party quality assurance inspections and product certification labeling by Intertek. Labeling shall be in accordance with the requirements of the IBC, and the Accredited Quality Assurance Agency.



Diagrams



FASTPLANK SIDING WALL ASSEMBLY NO.1	
EXTERIOR TO INTERIOR	
1	FASTPLANK SIDING
2	FASTPLANK CLIPS @ 32" O.C. STAGGERED
3	TYVEK HOMEWRAP
4	7/16" OSB SHEATHING
5	2x4 NO.2 SPF WOOD STUDS @ 16" O.C.

FASTPLANK SIDING WALL ASSEMBLY NO.2	
EXTERIOR TO INTERIOR	
1	FASTPLANK SIDING
2	FASTPLANK CLIPS @ 32" O.C. STAGGERED
3	TYVEK HOMEWRAP
4	1/2" EXTERIOR GYPSUM SHEATHING
5	2x4 NO.2 SPF WOOD STUDS @ 16" O.C.

Figure 1. Diagram for FastPlank wall assembly w/ 7/16" OSB or 1/2" exterior gypsum as sheathing, for ASTM E331 testing.

Source Documents

The published versions of the following sources, current on the date of this evaluation, were used as reference material to support the conclusions made:

1. ASTM E331 results: Intertek report 106174575COQ-001, dated 2025-05-13

Signed

This report has been prepared and reviewed on behalf of BOCA by:

Chris Bowness, P.Eng., P.E.

2025-12-31

Date

EVALUATION REPORT TERMS:

1. This report is a general evaluation of the building code sections and/or standards requirements as identified and applies only to the samples that were evaluated. It does not imply any endorsement or warranty, nor that the signatory Engineer is the Designer of Record of any construction project for which the information is used.
2. This Evaluation Report expires 2026-12-31, open to renewal. Up to the renewal date, the report is valid until such time as the named product(s) changes, the Quality Assurance Agency changes, or provisions of the Code that relate to the product change.

CERTIFICATION OF INDEPENDENCE:

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2. Boca Engineering Co. is not owned, operated or controlled by any company manufacturing or distributing products that they evaluate.

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