



ENGINEERING EVALUATION REPORT

Report Number | 0093-22
Client | Engage Building Products Inc.
Address | 101-4441 76th Ave SE, Calgary, AB T2C 2G8

Issue Date | 2025-12-31
Issue Number | 2-6069
Expiry Date | 2026-12-31

Subject

FastPlank Systems aluminum siding and soffit planks. Solar Reflectance and Thermal Emittance testing results.

Product Description

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

Evaluation

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

Standard ¹	Property	Sample Description	Requirements	Test Results
ASTM C1371	Thermal Emittance	V-Notch plank, Dark Cherry	≥ 0.75	Average: 0.88
		V-Notch plank, Western Maple		Average: 0.90
ASTM C1549	Solar Reflectance	V-Notch plank, Dark Cherry	≥ 0.30	Average: 0.26 ²
		V-Notch plank, Western Maple		Average: 0.50
ASTM E1980	Solar Reflectance Index Calculation	V-Notch plank, Dark Cherry	N/A	Low wind: 25 Medium wind: 26 High wind: 26
		V-Notch plank, Western Maple		Low wind: 58 Medium wind: 59 High wind: 59

1. Standard editions evaluated to meet standards in referenced Codes.

2. Does not meet minimum requirements per 2024 IECC section C402.3.

ASTM C1371-15(2022), C1549-16(2022) and E1980-11(1019) are cited testing standards in 2024 International Energy Conservation Code (IECC) section C402.3 *Above-Grade Wall Solar Reflectance* and Ch 6 *Referenced Standards*. The referenced standards were used to determine the thermal emittance, solar reflectance and solar reflectance index for a FastPlank's light-colored sample (**Western Maple**) and a dark-colored sample (**Dark Cherry**). Both colors are powder-coated paint.

Manufacturing Plants, Labeling and Quality Assurance

The products evaluated in this report were sampled at the approved manufacturing locations: Calgary, AB 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.



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 C1371, C1549 and E1980 results: Intertek report r4460.02-301-41-r0, dated October 18, 2024.

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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