ENGINEERING EVALUATION REPORT

Issue Date	2025-04-21
Expiry Date	2025-12-31
Report Number	0093-36-1-5964
Client Name	Engage Building Products Inc.
Address	101-4441 76th Ave SE, Calgary, AB T2C 2G8

Subject

FastPlank Systems aluminum siding and soffit planks. Light Reflectance Value (LRV) test results.

Product Description

Fastplank Systems are aluminum siding and soffit 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 16' lengths. The plank exterior surface is typically finished with a powder-coat paint in a variety of colors.

Evaluation

The cladding planks were tested at PRI Construction Materials Technology (PRI) - Tampa, Florida, in accordance with ASTM D2244-21, *Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates,* and ASTM E1164-17, *Standard Practice for Obtaining Spectrometric Data for Object-Color Evaluation*. PRI is an independent testing laboratory accredited by the International Accreditation Service (IAS).

Standards	Property	FastPlank Paint Finish	LRV (%)[1]
ASTM D2244-21; ASTM E1164-17; BS 8493:2008+A1:2010	Light Reflectance Value (LRV)	Arctic White Oak	65
		Light Mahogany	36
		Cadet Grey	23
		Light Cherry	13
		Dark Cherry	8
		Charcoal	7
		Dark Walnut	7

1. LRV is calculated as the average of three CIE Y* measured values, obtained with a spectrophotometer using a d/8 sphere at D65/10° illumination, per ASTM D2244 and ASTM E1164.

American Society for Testing and Materials (ASTM) standards D2244 and E1164 establish the parameters, procedures and standard calculations required to obtain the CIE Y* value of a surface finish. As defined in British Standard (BS), BS 8493:2008+A1:2010, *Light Reflectance Value (LRV) of a Surface – Method of Test*, the LRV is equivalent to CIE Y* when viewed under illuminant D65. Therefore, ASTM D2244 and E1164 in combination with BS 8493 indicate that the summarized values may be used for applications where Light Reflectance Values are requested or required.

Supplemental 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 D2244 and E1164 results: PRI report 2783T0001.1, dated April 1, 2025.

Signed

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

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

2025-04-21
Date

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2. This Evaluation Report expires Dec. 31, 2025, 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.

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