

Product Evaluation Report

CERTIFIED BY INTERTEK



PER - 0103

Issue Date: February 24, 2022

Revision Date: April 9, 2025

Renewal Date: February 28, 2026

SUBJECT: Kaycan Vinyl Siding

CSI Section: 07 46 33 Plastic Siding

COMPANY:

Kaycan Ltd.

402 Boyer Circle

Williston, VT 05495

(802) 848-7010

www.kaycan.com

1.0 SCOPE OF EVALUATION

- 1.1** Kaycan Vinyl Siding has been evaluated for use as exterior wall covering in accordance with the following building codes:
- 2024, 2021 *International Building Code*® (IBC)
 - 2024, 2021 *International Residential Code*® (IRC)

Code sections referenced throughout this report apply to the 2024 IBC [IRC]. See Table 1 for correlation with sections for other codes.

- 1.2** Kaycan Vinyl Siding has been evaluated for the following:
- Materials
 - Installation
 - Wind resistance

- 1.3** Uses:
- IBC Type V construction
 - All building types under the IRC

2.0 STATEMENT OF COMPLIANCE

Kaycan Vinyl Siding complies with the Codes listed in Section 1.1, for the properties and uses stated in Section 1.2 and 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

Kaycan Vinyl Siding conforms to ASTM D3679 in accordance with:
IBC Sect. 1403.8
IRC Sect. R703.11

3.0 DESCRIPTION

Kaycan Vinyl Siding are extruded PVC siding panels formed in various profiles and surface textures. Each panel has a continuous interlocking nail hem for attachment to the exterior wall.

4.0 PERFORMANCE CHARACTERISTICS

- 4.1** Wind Resistance (Positive Pressure): Kaycan Vinyl Siding are not evaluated for positive wind pressure and must be installed over structural sheathing rated and installed for the required design wind pressure.
- 4.2** Wind Resistance (Negative Pressure): Maximum allowable design pressures are given in Table 2 for the specified fastening. Specified fastening meets or exceeds IBC Section 1404.15.1 and IRC Section R703.3 and R703.11.

5.0 INSTALLATION

5.1 General:

Kaycan Vinyl Siding must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

- 5.2** Kaycan Vinyl Siding shall be installed over structural wood sheathing designed and installed to resist required wind design pressures.
- 5.3** Flashing and an approved water-resistive barrier shall be provided in accordance with the code.
- 5.4** Fasteners shall be as specified in Table 2.

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5.4.1 For siding installed horizontally, nails shall be spaced at a maximum of 16 inches along the nail hem with every nail penetrating a minimum of 1-1/4 inches into nailable wood substrate (sheathing and stud).

5.4.2 For siding installed vertically, nails shall be spaced at a maximum of 12 inches along the nail hem with each nail penetrating through minimum 7/16" wood sheathing.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this report, the manufacturer's published installation instructions, and the applicable code. In the event of a conflict with manufacturer's instructions, this report shall govern.

6.2 Kaycan Vinyl Siding is limited to exterior use in Type V construction (IBC) and construction permitted by the IRC.

6.3 Wind design pressures determined from nominal design wind speeds (V_{asd}) in accordance with IBC Section 1609 and IRC Section R301.2.1 and shall not exceed the allowable wind loads specified in Table 2.

6.4 The Kaycan Vinyl Siding is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Test data demonstrating compliance with ASTM D3679-21 for vinyl siding.

7.2 Compliance with VSI Product Certification Program.

8.0 IDENTIFICATION

The product recognized in this report is identified by labeling that includes

- The manufacturer's name (Kaycan, Ltd.)
- The product name (Kaycan Vinyl Siding)
- The VSI certification program mark as shown below with the Product Evaluation Report number (PER-0103)
- In close proximity to the mark, the statement: "Certified by Intertek;" followed by the applicable standards and ratings.



CERTIFICATION PROGRAM

PER-0103

Certified by Intertek:

ASTM D3679
Std Design Pressure
Rating: ## PSF (ASD)

9.0 PRODUCT EVALUATION REPORT USE

9.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

9.2 Product Evaluation Reports shall not be used in any manner that implies an endorsement of the product by Intertek or VSI.

9.3 Reference to the <https://bpdirectory.intertek.com> is recommended to ascertain the current version and status of this report

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PCA-101

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TABLE 1 – CODE REFERENCES

SUBJECT	2024 IBC SECTION	2021 IBC SECTION	2024/2021 IRC SECTION
Material	1403.8	1403.9	R703.11
Wind Resistance	1404.15	1404.14	R703.3.2
Installation	1404.15.1	1404.14.1	R703.11.1

TABLE 2 – WIND LOAD DESIGN PRESSURE (DP) RATING

Brand	Product	Style	Design pressure Rating ¹	
			DP (PSF)	Fastening
Timberlake	Avanti USA	Double 4 Dutchlap	73	1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 16" oc. into every stud.
	Classic	Triple 3 Dutchlap	49	1/8" Shank, 3/8" head, 1-1/2" Roofing Nail 16" oc. into every stud.
	Contessa	Double 5	67	1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 16" oc. into every stud.
	Elegance	Double 5 Dutchlap	73	
	Marquis Canada	Double 4	67	
	Marquis USA	Double 4	67	
	Prova USA	Double 4-1/2 Dutchlap	73	1/8" Shank, 3/8" head, 1-1/2" Roofing Nail 16" oc. into every stud.
	T3 Woodgrain	Triple 3	49	

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TABLE 2 – WIND LOAD DESIGN PRESSURE (DP) RATING (CONTINUED)

Brand	Product	Style	Design pressure Rating ¹	
			DP (PSF)	Fastening
Kaycan	Davinci	Double 4	62	1/8" Shank, 3/8" head, 1-1/2" Roofing Nail 16" oc. into every stud.
		Double 4 Dutchlap	53	
	Davinci Intense	Board & Batten Single 7"	80	Installed Vertically 1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 12" oc. into 7/16" OSB sheathing.
	Hardwood Valley II	Double 5 Dutchlap	53	1/8" Shank, 3/8" head, 1-1/2" Roofing Nail 16" oc. into every stud.
		Double 4	62	
	Ocean Park	Bevel Double 4-1/2	56	1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 16" oc. into every stud.
		Cove Double 4-1/2 Dutchlap	73	
	Ocean Park XL	D4.5 Ocean Park XL	80	1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 16" oc. into every stud.
		D4.5D Ocean Park XL Dutchlap	73	
	Platinum	Double 4	67	1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 16" oc. into every stud.
		Double 4 Dutchlap	73	
		Triple 3	49	1/8" Shank, 3/8" head, 1-1/2" Roofing Nail 16" oc. into every stud.
		Board & Batten	60	Installed Vertically 1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 12" oc. into 7/16" OSB sheathing.
	Richmond	Double 6	62	1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 16" oc. into every stud.
	Vertical	Board & Batten Woodgrain	60	Installed Vertically 1/8" Shank, 7/16" head, 1-1/2" Roofing Nail 12" oc. into 7/16" OSB sheathing.

¹Design pressure rating is the maximum allowable negative wind load when installed with the fastening specified in the table.

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