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## **PER - 0203**

**Issue Date:** February 25, 2022 **Revision Date:** March 18, 2025 Renewal Date: February 28, 2026

## SUBJECT: KP Vinyl Siding CSI Section: 07 46 33 Plastic Siding



COMPANY: KP Building Products 34 BLAIR PARK ROADSUITE 104, PMB 318 WILLISTON, VERMONT 05495 (802) 848-7010 www.kpvinylsiding.com

## **1.0 SCOPE OF EVALUATION**

- **1.1** KP Vinyl Siding has been evaluated for use as exterior wall covering in accordance with the following building codes:
  - 2024, 2021 International Building Code<sup>®</sup> (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** KP 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

KP 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.

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

## 3.0 DESCRIPTION

KP 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** <u>Wind Resistance (Positive Pressure)</u>: KP 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** <u>Wind Resistance (Negative Pressure)</u>: 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:

KP 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** KP Vinyl Siding shall be installed over structural 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 inch 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** KP Vinyl Siding is limited to exterior use in Type V (IBC) construction and construction permitted by the IRC.
- **6.3** Wind design pressures determined from nominal design wind speeds (*V*<sub>asd</sub>) 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 KP 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 (KP Building Products, Ltd.)
- The product name (KP Vinyl Siding)
- The VSI certification program mark as shown below with the Product Evaluation Report number (PER-0203)
- In close proximity to the mark, the statement: "Certified by Intertek," followed by the applicable standards and ratings.



## Certified by Intertek:

ASTM D3679 Std Design Pressure

Rating: ## PSF (ASD)

CERTIFICATION PROGRAM

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

This Product Evaluation Report ("Report") is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Report. Only the Client is authorized to permit copying or distribution of this Report and then only in its entirety, and the Client shall not use the Report in a misleading manner. Client further agrees and understands that reliance upon the Report is limited to the representations made therein. The Report is not an endorsement or recommendation for use of the subject and/or product described herein. This Report is not the Intertek Listing Report covering the subject product and utilized for Intertek Certification and this Report does not represent authorization for the use of any Intertek or VSI certification marks. Any use of the Intertek name, one of its marks or the VSI mark for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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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 Pre	Design Pressure Rating <sup>1</sup>	
			DP (PSF)	Fastening	
	Ashbury	Double 6	62		
	Dakota	Double 4	67	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
		Double 4 Dutchlap	73		
		Double 5	67		
		Double 5 Dutchlap	73	_	
		Triple 3	49		
		Double 4	62	1/8" shank dia., 3/8" head, 1-1/2"	
	Dakota Plus	Double 4 Dutchlap	53	long roofing nails, 16" o.c. into wood framing	
KP Vinyl Siding		Double 5	62		
		Double 5 Dutchlap	53		
	Double 5 Vertical	Double 5 Solid	47	1/8" shank dia., 7/16" head, 1-1/2" long roofing nails, 12" o.c. into 7/16" OSB sheathing	
	Hudson Bay	Double 4	67	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
		Double 4 Dutchlap	73		
		Double 5	67		
		Double 5 Dutchlap	73		
	Maxim	Double 4	80		
		Double 4 Dutchlap	73		
		Double 5	80		
		Double 5 Dutchlap	73		
	Maxim	Board & Batten	60	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 12" o.c. into 7/16" OSB sheathing	



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Brand	Product	Style	Design Pre	Design Pressure Rating <sup>1</sup>	
			DP (PSF)	Fastening	
	Maxim Beaded	6.5 Beaded	69	1/8" shank dia., 3/8" head, 1-1/2" long roofing nails, 16" o.c. into wood framing	
	Maxim XL	Double 4	80	1/8" shank dia., 7/16" head, 1-1/2	
		Double 4 Dutchlap	73		
	Maxim XL Plus	Double 5	56	long roofing nails, 16" o.c. into wood framing	
		Double 5 Dutchlap	73		
	Northern Star	8	69	<ul> <li>1/8" shank dia., 3/8" head, 1-1/2 long roofing nails, 16" o.c. into wood framing</li> <li>1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 16" o.c. into wood framing</li> </ul>	
		6.5 Beaded	69		
		Double 4	80		
		Double 5	80		
		Triple 3	49	1/8" shank dia., 3/8" head, 1-1/2' long roofing nails, 16" o.c. into wood framing	
		Double 4 Dutchlap	116	1/8" shank dia., 7/16" head, 2-1/2 long roofing nails, 16" o.c. into wood framing	
		Double 4-1/2 Dutchlap	116		
KP Vinyl Siding		Double 5 Dutchlap	116		
	Northern Star Rustic	Double 4	80	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
		Double 5 Dutchlap	53	1/8" shank dia., 3/8" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
	Northern Star Rustic	Double 5 Vertical	47	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 12" o.c. into 7/16" OSB sheathing	
	Pro-Tuff	Double 4	67	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
		Double 4 Dutchlap	73		
		Double 5	67		
		Double 5 Dutchlap	53	1/8" shank dia., 3/8" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
	Pro-Tuff Premium	Double 4	67	<ul> <li>1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 16" o.c. into</li> </ul>	
		Double 4-1/2 Dutchlap	73		
	Weather Side	Double 4-1/2 Dutchlap	73	wood framing	

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Brand	Product	Style	Design Pre	Design Pressure Rating <sup>1</sup>	
			DP (PSF)	Fastening	
KP Vinyl Siding		Double 4	62	1/8" shank dia., 3/8" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
		Double 4 Dutchlap	53		
	Weather Side Plus	Double 5	62		
		Double 5 Dutchlap	53		
KAYCAN	Marana	Double 4	62		
	Verona	Double 4 Dutchlap	53		
	10"	Vertical	67	1/8" shank dia., 7/16" head, 1-1/2 long roofing nails, 12" o.c. into 7/16" OSB sheathing	
	CastleGuard	Double 4	67		
	CastleGuard	Double 4 Dutchlap	73		
	Cedar Creek	Double 4	67	1/8" shank dia., 7/16" head, 1-1/ long roofing nails, 16" o.c. into wood framing	
		Double 4 Dutchlap	73		
		Double 4-1/2 Dutchlap	73		
		Double 5	67		
		Double 5 Dutchlap	73		
	Fairway	Double 4	67		
ABTco Vinyl		Double 4	62	1/8" shank dia., 3/8" head, 1-1/2 long roofing nails, 16" o.c. into wood framing	
Siding	Harbor Ridge	Double 4 Dutchlap	53		
		Double 4-1/2 Dutchlap	53		
		Double 5	62		
		Double 5 Dutchlap	53		
		Triple 3	49		
	Harbor Ridge Plus	Double 4	62		
		Double 4 Dutchlap	53		
	Harbor Ridge Rustic	Double 4	62		
		Double 5 Dutchlap	53		
	Majestic	Double 4	62		
		Double 4 Dutchlap	53		

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Waterford Select

WestPointe

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Brand

ABTco Vinyl Siding

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	Style	Design Pre	Design Pressure Rating <sup>1</sup>		
Product		DP (PSF)	Fastening		
<b>T</b> 1 0 1	Double 4	80			
Timber Crest	Double 4-1/2 Dutchlap	73	1/8" shank dia., 7/16" head, 1-1/2"		
TH O ID	Double 4	80	long roofing nails, 16" o.c. into wood framing		
Timber Crest Plus	Double 4-1/2 Dutchlap	73			
Timber Crest	Board & Batten	60	1/8" shank dia., 7/16" head, 1-1/2" long roofing nails, 12" o.c. into 7/16" OSB sheathing		
Waterford	6.5 Beaded	69	1/8" shank dia., 3/8" head, 1-1/2" long roofing nails, 16" o.c. into wood framing		
	Double 4	67	1/8" shank dia., 7/16" head, 1-1/2		
	Double 4 Dutchlap	73	long roofing nails, 16" o.c. into		
	Double 5	67	wood framing		
	Double 5 Dutchlap	53	1/8" shank dia., 3/8" head, 1-1/2' long roofing nails, 16" o.c. into wood framing		
	Triple 3	49			

116

80

wood framing <sup>1</sup>Design pressure rating is the maximum allowable negative wind load when installed with the fastening specified in the table.

Double 4 Dutchlap

Double 4

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wood framing 1/8" shank dia., 7/16" head, 2-1/2"

long roofing nails, 16" o.c. into wood framing 1/8" shank dia., 7/16" head, 1-1/2"

long roofing nails, 16" o.c. into