

ICC-ES Evaluation Report

ESR-1517

Reissued November 2023

This report also contains:

- FBC Supplement

Subject to renewal November 2025

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DIVISION: 07 00 00 — THERMAL AND MOISTURE PROTECTION Section: 07 46 33 — Plastic Siding	REPORT HOLDER: KP BUILDING PRODUCTS ADDITIONAL LISTEE: FAIRWAY WHOLESALE	EVALUATION SUBJECT: KP BUILDING PRODUCTS VINYL SIDINGS	
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1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 [International Building Code® \(IBC\)](#)
- 2021, 2018, 2015, 2012, 2009 and 2006 [International Residential Code® \(IRC\)](#)
- 2013 *Abu Dhabi International Building Code (ADIBC)*[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Exterior veneer
- Wind resistance

1.2 Evaluation to the following green code(s) and/or standards:

- 2022 and 2019 [California Green Building Standards Code \(CALGreen\)](#), Title 24, Part 11
- 2020, 2015, 2012 and 2008 [ICC 700 National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

Attributes verified:

See Section 3.0

2.0 USES

KP Building Products vinyl siding is used as an exterior wall covering when installed over an approved sheathing capable of supporting the imposed loads, including but not limited to positive transverse wind loads.

3.0 DESCRIPTION

KP Building Products vinyl siding is formed from polyvinyl chloride (PVC) resins mixed into a blended compound that conforms to the requirements of ASTM D3679. The compound is blended with coloring pigments that are mixed and heated in the extruder. After extruding, the product is embossed and formed into a final shape, nail slot holes are punched, and the product is cut to proper length. Refer to [Table 1](#) for a description of the different profiles, thicknesses and lengths. The siding is also produced under a private label program by Fairway Wholesale. Refer to [Table 2](#) for a description of these products.

The attributes of the siding panels have been verified as conforming to the provisions of (i) CALGreen Sections A4.405.1.3 (prefinished materials) and A5.406.1.2 (reduced maintenance); (ii) ICC 700-2020

Sections 601.7 and 11.601.7; (iii) ICC 700-2015 and ICC 700-2012 Sections 601.7, 11.601.7, and 12.1(A).601.7 (site-applied finishing materials); and (iv) ICC 700-2008 Section 601.7 (site-applied finishing materials). Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. The code may provide supplemental information as guidance.

4.0 DESIGN AND INSTALLATION

4.1 Wind Resistance:

4.1.1 General: The design wind pressures for the KP Building Products vinyl siding products determined in accordance with Chapter 16 of the IBC or Section R301.2.1.1 of the IRC, as applicable, must not exceed the allowable wind pressures described in Section 4.1.2 or 4.1.3, as applicable.

4.1.2 IBC: For buildings constructed under the requirements of the IBC, vinyl siding must be installed as described in 2021, and 2018 IBC Section 1404.14 (2015, 2012, and 2009 IBC Section 1405.14 and 2006 IBC Section 1405.13) and Section 4.2 of this report, over sheathings or materials addressed in IBC Section 2304.6 that are capable of independently resisting both positive and negative wind pressures occurring under design conditions at the building location. The allowable negative wind loads for the vinyl siding are as shown in [Table 1](#); the sheathing must be capable of withstanding the indicated negative load, or greater. Positive wind pressures are not considered for the siding, since the sheathing must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.

4.1.3 IRC: The siding must be installed as described in Section 4.2, and either Section 4.1.3.1 or 4.1.3.2.

4.1.3.1 Installation over Sheathings Other Than Foam Plastic:

4.1.3.1.1 For the 2021, and 2018 IRC, when installed over sheathing other than foam plastic sheathing, in applications where the building's mean roof height and ultimate wind speed [2021 IRC Figure R301.2(2), 2018 IRC Figure R301.2(5)A] are in accordance with Table R703.3.2, sheathing must be as required by Table R703.3(1) of the IRC. Should any of these conditions not be met, installation must be in accordance Section 4.1.3.1.4 of this report.

4.1.3.1.2 For the 2015 IRC, when installed over sheathing other than foam plastic sheathing, in applications where the building's mean roof height and ultimate wind speed [Figure R301.2(4)A] are in accordance with Table R703.3.1, sheathing must be as required by Table R703.3(1) of the IRC. Should any of these conditions not be met, installation must be in accordance with Section 4.1.3.1.4 of this report.

4.1.3.1.3 For the 2012, 2009 and 2006 IRC, when installed over sheathings other than foam plastic sheathing, where the building height is 30 feet (9.1 m) or less and the basic wind speed [Figure R301.2(4)A] is less than 110 mph (49 m/s) in Exposure B, 90 mph (40 m/s) or less in Exposure C or 85 mph (37 m/s) or less in Exposure D, sheathing (other than foam plastic) must comply with Table R703.4. Should any of these conditions not be met, installation must be in accordance with Section 4.1.3.1.4 of this report.

4.1.3.1.4 Vinyl siding must be installed over sheathing as required by Table R703.3(1) of the 2021, 2018 and 2015 IRC, or Table R703.4 of the 2012, 2009 and 2006 IRC that is capable of independently resisting both positive and negative wind pressures occurring under design conditions at the building location. The allowable negative wind loads for the vinyl siding are as shown in [Table 1](#); the sheathing must be capable of withstanding the indicated negative load, or greater. Positive wind pressures are not considered for the siding, since the sheathing must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.

4.1.3.2 Installation over Foam Plastic Sheathing:

4.1.3.2.1 For the 2021, and 2018 IRC, the vinyl siding must comply with the requirements of IRC Table R703.11.2 and must be installed in accordance with IRC Section R703.11.2.

4.1.3.2.2 For the 2015, 2012 and 2009 IRC, the siding must be installed in accordance with Section R703.11.2.

4.2 Installation:

As used in this report, "nailable sheathing" or "nailable substrate" means a product or material such as framing or sheathing, composed of wood or wood-based materials having a minimum specific gravity of 0.42, or other materials and fasteners having equivalent withdrawal resistance.

Installation must be in accordance with ASTM D4756, 2021, and 2018 IBC Section 1404.14 (2015, 2012 and 2009 IBC Section 1405.14 and 2006 IBC Section 1405.13.1) and Section R703.3.3 of the 2021, 2018 and 2015 IRC (Section R703.4 of the 2012, 2009 and 2006 IBC), the manufacturer's published installation instructions and this report. Siding must be installed over sheathing in accordance with Section 4.1.2 or 4.1.3, as applicable, with a water-resistive membrane barrier as required by 2021, and 2018 IBC Section 1403.2 (2015, 2012, 2009 and 2006 IBC Section 1404.2) or Section R703.2 of the IRC. The fasteners must be corrosion-resistant nails having $\frac{3}{8}$ -inch-diameter (9.5 mm) heads and 0.125-inch-diameter (3.2 mm) smooth shanks. For installation over nailable sheathing (minimum $\frac{1}{2}$ inch thick), fasteners must be long enough to penetrate framing a minimum of $\frac{3}{4}$ inch (19 mm). When non-nailable sheathing is used, fasteners must penetrate a minimum of $1\frac{1}{4}$ inches (31.75 mm) into framing or other nailable substrate, or as provided in [Table 1](#). When siding is installed over foam plastic sheathing without a nailable substrate in accordance with 2021 and 2018 IRC Section R703.11.1 (2015, 2012, and 2009 IRC Section R703.11.2.1), the fasteners must comply with 2021 and 2018 IRC Section R703.11.1 (2015, 2012 and 2009 IRC Section R703.11.2.1). Corner posts must be placed at all outside or inside corners and be nailed at 12 inches (305 mm) on center through the appropriate nail slot. Starter strips are to be placed at the base of the wall with a minimum gap of at least $\frac{1}{4}$ inch (6.4 mm) from the corner post and other accessories. The starter strips must be double-nailed at each end and at 8 inches (203 mm) on center in alternate rows. In the first course, the lower edge of the panel locks into the starter strip. A minimum $\frac{1}{4}$ -inch (6.4 mm) gap must be maintained from any accessories. The siding panels need to be raised into position and nailed at 16 inches (406 mm) on center through the middle of the nailing slots into studs or other nailable substrate or as provided in [Table 1](#). At the end joints, adjacent panels must be overlapped 1 inch (25.4 mm).

When nailing, the nail must be centered in the nail slot, and the nail head must be $\frac{1}{32}$ to $\frac{1}{16}$ inch (0.8 to 1.6 mm) clear of the panel, to allow for horizontal movement. Subsequent courses must be applied in a similar manner, with the lower edge locking into the upper edge of the lower course. For window and door trim, a J-channel must be applied to all sides of the frame.

Panels are cut with a radial saw or tin snips.

5.0 CONDITIONS OF USE:

The KP Building Products vinyl siding and accessories described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. In the event of conflict between the manufacturer's published instructions and this report, this report governs.
- 5.2 The vinyl siding is limited to use in exterior walls of buildings of Type V-B (IBC) construction, and to construction permitted by the IRC, as applicable.
- 5.3 Maximum wall stud spacing must not exceed 16 inches (406 mm) on center.
- 5.4 The siding must be installed only on exterior walls covered by sheathing as described in Sections 4.1.2 and 4.1.3. The sheathing must be covered with a water-resistive barrier, as required by the applicable code.
- 5.5 The siding products are manufactured in Holly Springs, Mississippi, Richford, Vermont, and Acton, Ontario, Canada, under a quality-control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Vinyl Siding \(AC37\)](#), dated February 2014, (editorially revised January 2021).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-1517) along with the name, registered trademark, or registered logo of the report holder (KP Building Products) or additional listee (Fairway Wholesale) must be included in the product label.
- 7.2 In addition, the KP Building Products vinyl siding panels and accessories are packaged in cartons identified with the manufacturing date, the product line profile, the product code, and the statement "Conforms to ASTM D3679 Specification".

7.3 The report holder's contact information is the following:

KP BUILDING PRODUCTS
34 BLAIR PARK ROAD
SUITE 104, PMB 318
WILLISTON, VERMONT 05495
(802) 848-7010
www.kpproducts.com
joe.lundine@kpproducts.com

7.4 The Additional Listee's contact information is the following:

FAIRWAY WHOLESALE
654 NEW LUDLOW ROAD
SOUTH HADLEY, MASSACHUSETTS 01075
(413) 532-7703

TABLE 1—ALLOWABLE NEGATIVE WIND PRESSURES¹

PRODUCT NAME	PANEL CONFIGURATION ²	PRODUCT LENGTH (ft-in)	NOMINAL THICKNESS (in)	ALLOWABLE DESIGN NEGATIVE WIND PRESSURES (psf)
Cedar Creek	D5 & D5D	12-0 to 12-6	0.040	45.3
Hudson Bay				
KP Vinyl				
Waterford	D5 & D5D	12-0 to 12-6	0.042	
Dakota				
Cedar Creek	D4, D4D & D4.5D	12-0 to 12-6	0.040	51
Hudson Bay	D4 & D4D			
KP Vinyl	D4 & D4D			
Fairway	D4	12-0 to 12-6	0.042	52.9
Waterford	D4, D4D, D4.5D & T3			
Dakota	D4, D4D & T3			
*Cedar Creek	10" Vertical	12-0 to 12-6	0.042	30.2
*KP Vinyl	10" Vertical			
**I-Span	D5 Vertical	12	0.046	43.4
Color Guard	D4, D4D, D4.5D D5 & D5D	12-0 to 12-6	0.044	60.4
Northern Star	6.5 Beaded, 8" Horizontal, D4, D4D, T3, D5 & D5D			
Harbor Ridge	D4, D4D, D5 & D5D			
KP Norman Rockwell	D4, D4.5			
West Pointe	D4			
Maxim	D4, D4D, D5 & D5D	12-0 to 12-6	0.046	68.0
Timber Crest & Timber Crest Plus	D4, D4.5			

For SI: 1 inch = 25.4 mm; 1 foot = 305 mm; 1 psf = 47.88 Pa.

¹Nails and fastener spacing for siding attachment are described in Section 4.2 of this report unless otherwise specified for each siding profile in the table.

²D = Double; D#D = Double # Dutch Lap; T= Triple.

*Nail spacing 10 inches horizontal by 12 inches vertical into 1/2-inch-thick plywood sheathing complying with DOC PS 1-95.

*Nail spacing 10 inches horizontal by 12 inches vertical into minimum 7/16-inch-thick Exposure 1 OSB sheathing complying with DOC PS2-92 for APA Rated Sheathing.

TABLE 2—KP BUILDING PRODUCTS SIDING PROFILES DISTRIBUTED UNDER FAIRWAY WHOLESALE TRADEMARK NAME

PRODUCT NAME	MANUFACTURING LOCATION	BRAND DESCRIPTION	LENGTH (ft-in)	NOMINAL THICKNESS (in)
Fairway	Acton, Ontario	Double 4	12-0	0.040
WestPointe	Acton, Ontario	Double 4	12-6	0.044

For SI: 1 inch = 25.4 mm; 1 foot = 305 mm.

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 46 33—Plastic Siding

REPORT HOLDER:

KP BUILDING PRODUCTS

EVALUATION SUBJECT:

KP BUILDING PRODUCTS VINYL SIDINGS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that KP Building Products Vinyl Sidings, described in ICC-ES evaluation report ESR-1517, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The KP Building Products Vinyl Sidings, described in Sections 2.0 through 7.0 of the evaluation report ESR-1517, comply with the *Florida Building Code—Building* and the *Florida Building Code—Residential*. The design requirements must be determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-1517 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable, with the following conditions:

- Design wind loads determined in accordance with ASCE 7-22 or Section 1609 of the *Florida Building Code—Building* are permitted to be multiplied by 0.6 when comparing to the wind loads in Table 1 of the evaluation report.
- Installation over foam sheathing under the *Florida Building Code—Residential* must be in accordance with Section R703.11.
- Clearance between exterior wall coverings and final earth grade must meet the requirements of Section 1403.8 of the *Florida Building Code—Building* or Section R318.7 of the *Florida Building Code—Residential*, as applicable.

Use of the KP Building Products Vinyl Sidings for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and *Florida Building Code—Residential* has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued November 2023.