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

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”
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ADDITIONAL LISTEE:
FAIRWAY WHOLESALE

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:
- 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:
- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11

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 700-2015 and ICC 700-2012 Sections 601.7, 11.601.7, and 12.1(A).601.7 (site-applied finishing materials); and (iii) 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 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 2018 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(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 with 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)] 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.

4.1.3.1.3 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 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 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, 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 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 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 3/16-inch-diameter (9.5 mm) heads and 0.125-inch-diameter (3.2 mm) smooth shanks. For installation over nailable sheathing (minimum 1/2 inch thick), fasteners must be long enough to penetrate framing a minimum of 3/4 inch (19 mm). When non-nailable sheathing is used, fasteners must penetrate a minimum of 1 1/2 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 2018 IRC Section R703.11.1 (2015, 2012, and 2009 IRC Section R703.11.2.1), the fasteners must comply with 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 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 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 1/32 to 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 October 2017).

7.0 IDENTIFICATION
7.1 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, the name of the manufacturer (KP Building Products or Fairway Wholesale), the statement “Conforms to ASTM D3679 Specification”, and the evaluation report number (ESR-1517).

7.2 The report holder’s contact information is the following:

**KP BUILDING PRODUCTS**
402 BOYER CIRCLE
WILLISTON, VERMONT 05495
(802) 848-7010
www.kpproducts.com
joe.lundine@kpproducts.com

7.3 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 PRESSURES**

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PANEL CONFIGURATION</th>
<th>PRODUCT LENGTH (ft-in)</th>
<th>NOMINAL THICKNESS (in)</th>
<th>ALLOWABLE DESIGN NEGATIVE WIND Pressures (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cedar Creek</td>
<td>D5 &amp; D5D</td>
<td>12-0 to 12-6</td>
<td>0.040</td>
<td>45.3</td>
</tr>
<tr>
<td>Hudson Bay</td>
<td>D5D</td>
<td>12-0 to 12-6</td>
<td>0.041</td>
<td></td>
</tr>
<tr>
<td>KP Vinyl</td>
<td>D5D</td>
<td>12-0 to 12-6</td>
<td>0.042</td>
<td></td>
</tr>
<tr>
<td>Northern Star Canada</td>
<td>D5D</td>
<td>12-0 to 12-6</td>
<td>0.041</td>
<td></td>
</tr>
<tr>
<td>Waterford</td>
<td>D5 &amp; D5D</td>
<td>12-0 to 12-6</td>
<td>0.040</td>
<td></td>
</tr>
<tr>
<td>Dakota</td>
<td>D4, D4 &amp; D4D &amp; D4.5D</td>
<td>12-0 to 12-6</td>
<td>0.040</td>
<td>51</td>
</tr>
<tr>
<td>Hudson Bay</td>
<td>D4 &amp; D4D</td>
<td>12-0 to 12-6</td>
<td>0.040</td>
<td></td>
</tr>
<tr>
<td>KP Vinyl</td>
<td>D4 &amp; D4D</td>
<td>12-0 to 12-6</td>
<td>0.040</td>
<td></td>
</tr>
<tr>
<td>Fairway</td>
<td>D4</td>
<td>12-0 to 12-6</td>
<td>0.041</td>
<td></td>
</tr>
<tr>
<td>Northern Star Canada</td>
<td>D4D</td>
<td>12-0 to 12-6</td>
<td>0.041</td>
<td></td>
</tr>
<tr>
<td>Waterford</td>
<td>D4, D4D, D4.5D &amp; T3</td>
<td>12-0 to 12-6</td>
<td>0.042</td>
<td>52.9</td>
</tr>
<tr>
<td>Dakota</td>
<td>D4, D4 &amp; D4D &amp; T3</td>
<td>12-0 to 12-6</td>
<td>0.042</td>
<td></td>
</tr>
<tr>
<td>Weather side</td>
<td>D4.5D</td>
<td>12-0 to 12-6</td>
<td>0.042</td>
<td></td>
</tr>
<tr>
<td>*Cedar Creek</td>
<td>10&quot; Vertical</td>
<td>12-0 to 12-6</td>
<td>0.042</td>
<td>30.2</td>
</tr>
<tr>
<td>*KP Vinyl</td>
<td>10&quot; Vertical</td>
<td>12-0 to 12-6</td>
<td>0.042</td>
<td></td>
</tr>
<tr>
<td>**I-Span</td>
<td>D5 Vertical</td>
<td>12</td>
<td>0.046</td>
<td>43.4</td>
</tr>
<tr>
<td>Color Guard</td>
<td>D4, D4D, D4.5D &amp; D5D</td>
<td>12-0 to 12-6</td>
<td>0.044</td>
<td>60.4</td>
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<tr>
<td>Northern Star</td>
<td>6.5 Beaded, 8&quot; Horizontal, D4, D4D, D5 &amp; D5D</td>
<td>12-0 to 12-6</td>
<td>0.044</td>
<td></td>
</tr>
<tr>
<td>Harbor Ridge</td>
<td>D4, D4D, D5 &amp; D5D</td>
<td>12-0 to 12-6</td>
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<td>68.0</td>
</tr>
<tr>
<td>KP Norman Rockwell</td>
<td>D4, D4.5</td>
<td>12-0 to 12-6</td>
<td>0.046</td>
<td></td>
</tr>
<tr>
<td>West Pointe</td>
<td>D4</td>
<td>12-0 to 12-6</td>
<td>0.046</td>
<td></td>
</tr>
<tr>
<td>Maxim</td>
<td>D4, D4D, D5 &amp; D5D</td>
<td>12-0 to 12-6</td>
<td>0.046</td>
<td></td>
</tr>
<tr>
<td>Timber Crest &amp; Timber Crest Plus</td>
<td>D4, D4.5</td>
<td>12-0 to 12-6</td>
<td>0.046</td>
<td></td>
</tr>
<tr>
<td>I-Span</td>
<td>D4</td>
<td>12-0 to 12-6</td>
<td>0.046</td>
<td></td>
</tr>
</tbody>
</table>

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

Nails 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.

*D = 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**

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>MANUFACTURING LOCATION</th>
<th>BRAND DESCRIPTION</th>
<th>LENGTH (ft-in)</th>
<th>NOMINAL THICKNESS (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairway</td>
<td>Acton, Ontario</td>
<td>Double 4</td>
<td>12-0</td>
<td>0.040</td>
</tr>
<tr>
<td>WestPointe</td>
<td>Acton, Ontario</td>
<td>Double 4</td>
<td>12-6</td>
<td>0.044</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm; 1 foot = 305 mm.
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Section: 07 46 33—Plastic Siding

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1.0 REPORT PURPOSE AND SCOPE  
Purpose:  
The purpose of this evaluation report supplement is to indicate that KP Building Products Vinyl Sidings, recognized in ICC-ES master evaluation report ESR-1517, have also been evaluated for compliance with the codes noted below.

Applicable code editions:  
- 2017 Florida Building Code—Building  
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS  
The KP Building Products Vinyl Sidings, described in Sections 2.0 through 7.0 of the master evaluation report ESR-1517, comply with the Florida Building Code—Building and Florida Building Code—Residential, provided the design and installation are in accordance with the 2015 International Building Code® (IBC) provisions noted in the master report, under the following conditions:

- Design wind loads determined in accordance with ASCE 7-10 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 master 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 and Section R318.7 of the Florida Building Code—Residential.

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 9N-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 master report, reissued November 2018.