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ICC-ES Evaluation Report

ESR-1565

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Reissued 07/2018
This report is subject to renewal 07/2019.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 46 33—PLASTIC SIDING

REPORT HOLDER:

PLY GEM SIDING GROUP

EVALUATION SUBJECT:

PLY GEM SIDING GROUP VINYL SIDING



“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”



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A Subsidiary of the International Code Council®

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 46 33—Plastic Siding

REPORT HOLDER:

PLY GEM SIDING GROUP

EVALUATION SUBJECT:

PLY GEM SIDING GROUP VINYL SIDING

ADDITIONAL LISTEE:

GEORGIA PACIFIC DISTRIBUTED BY BLUELINX CORPORATION

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2015, 2012 and 2009 *International Residential Code*® (IRC)

Properties evaluated:

- Exterior veneer
- Wind resistance
- Ignition resistance
- Exterior walls on Types I, II, III and IV construction
- Fire-resistance rated walls

2.0 USES

Ply Gem Siding Group Vinyl Siding products are used as exterior wall coverings over an approved substrate capable of supporting the imposed loads, including but not limited to positive transverse wind load; and as closure materials on the underside of exterior roof eaves (soffits).

3.0 DESCRIPTION

Ply Gem Siding Group Vinyl Siding products are extruded from polyvinyl chloride (PVC) resins and conform to the requirements of ASTM D3679. These exterior cladding products are produced in a variety of colors, surface textures, profiles, lengths, and thicknesses. Refer to Table 1 for product names, descriptions, and dimensions.

4.0 INSTALLATION

4.1 General:

Ply Gem Siding Group Vinyl Siding, including accessory items, must be installed in accordance with ASTM D4756,

IBC Section 1405.14.1, 2015 IRC Section R703.3 (2012 and 2009 IRC Section R703.4), the manufacturer's published installation instructions, and this report. The siding must be installed over an approved water-resistant barrier as required by the applicable code. The manufacturer's published installation instructions must be available at the jobsite at all times during installation. Fasteners for attaching the siding to wood substrates must be aluminum or galvanized roofing nails with minimum ³/₈-inch-diameter (9.5 mm) heads and minimum ¹/₈-inch-diameter (3.2 mm) shanks. Fasteners must have sufficient length to penetrate ³/₄-inch minimum (19.1 mm) into the substrate, except 1-inch minimum (25.4 mm) nail penetration is required where the prescriptive limitations referenced in Section 4.3 are exceeded. The siding fasteners must be installed through the center of the preformed nailing slots and a minimum clearance of ¹/₁₆ inch (1.6 mm) must be left between the back of the nail head and the face of the siding, so as not to restrict movement of the cladding due to thermal expansion.

Flashing in accordance with the applicable code must be installed at all openings, penetrations and abutments with dissimilar materials, and at terminations of the siding and soffit, to maintain the weather tightness of the assembly. A minimum ¹/₄-inch (6.4 mm) gap must be provided at all openings and terminations for movement of the vinyl due to thermal expansion. When exterior cladding components are installed in temperatures below 32F (0C), a minimum gap of ³/₈ inch (9.5 mm) must be provided. Joints between panels must be overlapped a minimum of 1 inch (25.4 mm).

4.2 One-hour Nonload-bearing Fire-resistance-rated Assembly (Exposed from both sides):

The following assembly must be used with a fire separation distance of greater than 5 feet (1.5 m) in jurisdictions adopting the IBC and 3 feet (914 mm) in jurisdictions adopting the IRC.

- a) Ply Gem Group Vinyl Siding: 0.040-inch-thick (1.02 mm) double 4 inch. The vinyl siding is mechanically attached to the exterior gypsum sheathing with #6 Type S drywall screws, 1 ⁵/₈ inches (41 mm) long, at 16 inches (406 mm) on center into the studs along the perimeter.
- b) Exterior Sheathing: ⁵/₈-inch-thick Type X gypsum sheathing. The sheathing is mechanically fastened with \$6 Type S drywall screws 1 ⁵/₈ inches (41 mm) long, at 8 inches (203 mm) on center along the joints and perimeter and 12 inches (305 mm) on center in the field.

- c) Studs: 20 gage 3⁵/₈ inch corrosion resistant steel studs at 16 inches (406 mm) on center.
- d) 3 inches (76 mm) thick mineral wool batt Insulation.
- e) Interior Sheathing: 5/₈-inch-thick Type X gypsum wall board. The gypsum wallboard is mechanically fastened with \$6 Type S drywall screws 1⁵/₈ inches (41 mm) long, at 8 inches (203 mm) on center along the joints and perimeter and 12 inches (305 mm) on center in the field.

The exterior sheathing must be covered with a water-resistive barrier, as required by the applicable code.

This assembly has not been evaluated for windloads and is outside the scope of this evaluation report.

4.3 Wind Resistance:

4.3.1 General: The design wind pressures for the Ply Gem Siding Group 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 4.3.2 or 4.3.3, as applicable. Wind resistance of soffit panels is outside the scope of this report except where specifically listed in Table 2 and where installation is as siding.

4.3.2 IBC: For buildings constructed under the requirements of the IBC, vinyl siding must be installed as described in 2015, 2012, and 2009 IBC Section 1405.14 and Section 4.1 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 2; the substrate must be capable of withstanding the indicated negative load, or greater. Positive wind pressures are not considered for the siding, since the substrate must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.

4.3.3 IRC: The siding must be installed as described in Section 4.1, and either Section 4.3.3.1 or 4.3.3.2.

4.3.3.1 Installation over Sheathings Other Than Foam Plastics:

4.3.3.1.1 For the 2015 IRC, when installed over substrate other than foam plastics 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, substrate 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 4.4.3.1.3 of this report.

4.3.3.1.2 For the 2012 and 2009 IRC, when installed over substrates 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, substrate (other than foam plastic) must comply with Table R703.4. Should any of these conditions not be met, installation must be in accordance Section 4.3.3.1.3 of this report.

4.3.3.1.3 Vinyl siding must be installed over substrate as required by Table R703.3(1) of the 2015 IRC, or Table R703.4 of the 2012 and 2009 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 2; the substrate must be capable of withstanding the indicated negative load, or

greater. Positive wind pressures are not considered for the siding, since the substrate must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.

4.3.3.2 Installation over Foam Plastic Sheathing: When installed over foam plastic sheathing, siding profiles must be installed in accordance with Section R703.11.2 of the 2015, 2012, and 2009 IRC.

4.4 Types of Construction (Ignition Resistance)

When installed in accordance with 2015 and 2012 IBC Section 1406.2.1 (2009 IBC Section 1406.2.2), on exterior walls on buildings of Type I, II, III or IV construction, the siding may be installed at a fire separation distance of more than 5 feet (1524 mm) in accordance with 2015 and 2012 IBC Section 1406.2.1.1.2 (2009 IBC Section 1406.2.1.2). When the exterior wall is required to be fire-resistance-rated, the fire separation distance must be in accordance with IBC Section 705.5.

5.0 CONDITIONS OF USE

The Ply Gem Siding Group Vinyl Siding described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0, subject to the following conditions:

- 5.1** Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the installation instructions and this report, this report governs.
- 5.2** Ply Gem Siding Group Vinyl Siding may be installed on buildings of any construction type under the IBC or buildings under the IRC, and at a fire separation distance of greater than 5 feet (1524 mm) in accordance with IBC Section 704.5 or IRC Table R302.1, as applicable.
- 5.3** Exterior walls must be braced or sheathed to resist racking loads with approved materials in accordance with the requirements of the applicable code.
- 5.4** The siding must be installed only on exterior walls with solid substrate stud framing materials, and related fasteners capable of supporting the imposed loads, including but not limited to transverse wind loads.
- 5.5** The substrate must be covered with a water-resistive barrier, as required by the applicable code.
- 5.6** When the prescriptive wind resistance in Section 4.3 is exceeded, calculations prepared by a registered design professional must be submitted to the code official for approval.
- 5.7** Ply Gem Siding Group Vinyl Siding products are manufactured in: Stuarts Draft, Virginia; Kearney, Missouri; Jasper, Tennessee; and Martinsburg, West Virginia, under a quality-control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1** Data in accordance with the ICC-ES Acceptance Criteria for Vinyl Siding (AC37), dated February 2014 (editorially revised July 2015).
- 6.2** Reports of tests in accordance with ASTM D5206.
- 6.3** Report of ignition resistance test in accordance with NFPA 268.
- 6.4** Report of test in accordance with ASTM E119.

7.0 IDENTIFICATION

The Ply Gem Siding Group Vinyl Siding products described in this report must be identified by a mark bearing the Ply Gem Siding Group or Georgia Pacific name; the plant

address; the product type; the statement “Conforms to ASTM specification D3679”; and the evaluation report number (ESR-1565).

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

PLY GEM SIDING GROUP
2405 CAMPBELL ROAD
SIDNEY, OHIO 45365
(937) 498-6720
www.plygem.com

ADDITIONAL LISTEES:

GEORGIA PACIFIC DISTRIBUTED BY BLUELINX CORPORATION
4300 WILDWOOD PARKWAY
ATLANTA, GEORGIA 30339
(800) 788-1964

TABLE 1—SIDING PROFILES

PRODUCT NAME	PRODUCT DESCRIPTION	EXPOSURE (in.)	PRODUCT LENGTH (ft-in.)	NOMINAL THICKNESS (in.)
The following siding profiles are distributed under the Variform brand name:				
Victoria Harbor®	Single 6 1/2-inch horizontal	6 1/2	12'-4"	0.044
Contractor's Choice®	Double 4-inch horizontal	8	12'-6"	0.040
	Double 4 1/2-inch Dutch Lap horizontal	9	12'-1"	0.040
	Double 5-inch horizontal	10	12'-0"	0.040
	Triple 3-inch horizontal	9	12'-1"	0.040
D5 Vertical	Double 5-inch vertical	10	12'-0"	0.046
Camden Pointe®	Double 4-inch horizontal	8	12'-6"	0.044
	Double 4-inch Dutch Lap horizontal	8	12'-6"	0.044
	Double 5-inch horizontal	10	12'-0"	0.044
	Double 5-inch Dutch Lap horizontal	10	12'-0"	0.044
Board & Batten®	7-inch vertical	7	10'-0"	0.048
Ashton Heights®	Double 4-inch horizontal	8	12'-6"	0.042
	Double 4 1/2-inch Dutch Lap horizontal	9	12'-1"	0.042
	Double 5-inch horizontal	10	12'-0"	0.042
Nottingham®	Double 4-inch horizontal	8	12'-6"	0.044
	Double 4 1/2-inch Dutch Lap horizontal	9	12'-1"	0.044
Vortex Extreme™	Double 4-inch horizontal	8	12'-6"	0.046
	Double 4-inch horizontal	8	16'-8"	0.046
	Double 5-inch horizontal	10	12'-0"	0.046
	Double 4 1/2-inch Dutch Lap horizontal	9	12'-1"	0.046
	Double 4 1/2-inch Dutch Lap horizontal	9	16'-8"	0.046
The following soffit profiles are distributed under the Variform brand name:				
D5 Soffit	Double 5-inch solid or Double 5-inch perforated soffit	10	12'-0"	0.046
D5 Standard Soffit	Double 5-inch solid or Double 5-inch perforated	10	12'-0"	0.040
The following siding profiles are distributed under the Georgia Pacific brand name:				
Compass®	Double 4-inch horizontal	8	12'-6"	0.044
	Double 4.5-inch Dutch Lap horizontal	9	12'-1"	0.044
Castle Ridge®	Single 8-inch horizontal	8	12'-6"	0.044
Forest Ridge®	Double 4-inch horizontal	8	12'-6"	0.042
	Double 5-inch horizontal	10	12'-0"	0.042
Shadow Ridge®	Double 4-inch Dutch Lap horizontal	8	12'-6"	0.042
	Double 5-inch Dutch Lap horizontal	10	12'-0"	0.042
Chatham Ridge®	Triple 3-inch horizontal	9	12'-1"	0.040
Somerset™ Coastal	Single 6 1/2-inch horizontal	6 1/2	12'-4"	0.044
Parkside	Double 4-inch horizontal	8	12'-6"	0.038
	Double 4-inch Dutch Lap horizontal	8	12'-6"	0.038
	Double 4 1/2-inch Dutch Lap horizontal	9	12'-0"	0.038
	Double 5-inch Dutch Lap horizontal	10	12'-1"	0.038
Vision Pro	Double 4-inch horizontal	8	12'-6"	0.040
	Double 4-inch Dutch Lap horizontal	8	12'-6"	0.040
	Double 5-inch horizontal	10	12'-0"	0.040
	Double 5-inch Dutch Lap horizontal	10	12'-0"	0.040
Vertical	Double 5-inch vertical	10	12'-0"	0.044
Beaded Vertical	7-inch beaded vertical	7	12'-0"	0.040
Board & Batten	Single 7-inch board and batten vertical	7	10'-0"	0.048
The following soffit panels are distributed under the Georgia Pacific brand name:				

TABLE 1—SIDING PROFILES (Continued)

PRODUCT NAME	PRODUCT DESCRIPTION	EXPOSURE (in.)	PRODUCT LENGTH (ft-in.)	NOMINAL THICKNESS (in.)
D5 Soffit	Double 5-inch solid or perforated	10	12'-0"	0.044
Triple 4 Soffit	Triple 4-inch solid, basket weave, or center vent design	12	12'-0"	0.035
Beaded	7-inch beaded, solid and vented	7	12'-0"	0.040
The following siding profiles are distributed under the Napco brand name:				
American 76 Collection	Single 6 ¹ / ₂ -inch beaded horizontal	6 ¹ / ₂	12'-4"	0.044
American Herald	Double 4-inch horizontal	8	12'-6"	0.044
	Double 4-inch Dutch Lap horizontal	8	12'-6"	0.044
	Double 5-inch horizontal	10	12'-0"	0.044
	Double 5-inch Dutch Lap horizontal	10	12'-0"	0.044
American Comfort	Double 4-inch horizontal	8	12'-6"	0.040
	Double 4 ¹ / ₂ -inch Dutch Lap horizontal	9	12'-1"	0.040
	Double 5-inch horizontal	10	12'-0"	0.040
	Triple 3-inch horizontal	9	12'-1"	0.040
American Splendor	Double 4-inch horizontal	8	12'-6"	0.046
	Double 4 ¹ / ₂ -inch Dutch Lap horizontal	9	12'-1"	0.046
	Double 5-inch horizontal	10	12'-0"	0.046
	Double 4-inch horizontal	8	25'-0"	0.046
American Splendor	Double 4 ¹ / ₂ -inch Dutch Lap horizontal	9	25'-0"	0.046
	Double 4-inch horizontal	8	25'-0"	0.046
American Tradition	Double 4-inch horizontal	8	12'-6"	0.042
	Double 4 ¹ / ₂ Dutch Lap horizontal	9	12'-1"	0.042
	Double 5-inch horizontal	10	12'-0"	0.042
T 4 Vertical	Triple 4-inch solid	12	12'-0"	0.038
American Accents Board & Batten	7-inch board and batten vertical	7	10'-0"	0.048
Ultra Span	Double 5-inch vertical	10	12'-0"	0.046
American 76 Beaded	Single 6.5-inch horizontal	6.5	12'-4"	0.044
The following soffit profiles are distributed under the Napco, Inc. brand name:				
Double 5	Double 5-inch solid or basket weave	10	12'-0"	0.044
Double 5 Standard	Double 5-inch solid or perforated	10	12'-0"	0.040
Triple 4	Triple 4-inch solid, perforated, or center vent	12	12'-0"	0.038
Beaded	7-inch beaded, solid or vented	7	12'-0"	0.040
American Splendor	Double 5-inch, solid or perforated	10	12'-0"	0.046
Triad Plus	Triple 3 ¹ / ₃ solid or perforated	10	12'-0"	0.044
The following siding profiles are distributed under the TrueWall brand name:				
Series 4000	Double 4-inch or Double 4-inch Dutch Lap horizontal	8	12'-6"	0.040
	Double 5-inch or Double 5-inch Dutch Lap horizontal	10	12'-0"	0.040
Series 4200	Double 4-inch or Double 4-inch Dutch Lap horizontal	8	12'-6"	0.042
	Double 5-inch or Double 5-inch Dutch Lap horizontal	10	12'-0"	0.042
The following soffit profiles are distributed under the TrueWall brand name:				
Triple 4 Soffit	Series 9100 - Solid	12	12'-0"	0.038
	Series 9110 - Centervent Soffit	12	12'-0"	0.038
	Series 9120 - Perforated	12	12'-0"	0.038

TABLE 1—SIDING PROFILES (Continued)

PRODUCT NAME	PRODUCT DESCRIPTION	EXPOSURE (in.)	PRODUCT LENGTH (ft-in.)	NOMINAL THICKNESS (in.)
The following siding profiles are distributed under the Mastic brand name:				
Quest	Double 4-inch horizontal	8	12'-6"	0.046
	Double 5-inch horizontal	10	12'-0"	0.046
	Double 4 1/2-inch Dutch Lap	9	12'-1"	0.046
	Double 4-inch horizontal	8	16'-8"	0.046
	Double 4 1/2-inch Dutch Lap	9	16'-8"	0.046
	Double 4-inch horizontal	8	25'-6"	0.046
	Double 4 1/2-inch Dutch Lap	9	25'-6"	0.046
Carvedwood 44	Double 4-inch horizontal	8	12'-6"	0.044
	Double 5-inch horizontal	10	12'-0"	0.044
	Double 4 1/2-inch Dutch Lap	9	12'-1"	0.044
	Triple 3-inch horizontal	9	12'-1"	0.044
	Double 4-inch horizontal	8	12'-6"	0.044
T-lok Barkwood®	Double 4-inch horizontal	8	12'-6"	0.048
	Double 5-inch horizontal	10	12'-0"	0.048
	Double 5-inch Dutch Lap	10	12'-0"	0.048
	Triple 2 2/3-inch horizontal	8	12'-6"	0.048
	Single 8-inch horizontal	8	12'-6"	0.048
Liberty Elite®	Double 4-inch horizontal	8	12'-6"	0.048
	Double 5-inch horizontal	10	12'-0"	0.048
	Double 5-inch Dutch Lap	10	12'-0"	0.048
Charleston Beaded®	Single 6 1/2-inch horizontal	6 1/2	12'-4"	0.044
Ovation™	Double 4-inch horizontal	8	12'-6"	0.042
	Double 5-inch horizontal	10	12'-0"	0.042
	Double 4 1/2-inch Dutch Lap	9	12'-1"	0.042
	Triple 3-inch horizontal	9	12'-1"	0.042
	Single 6 1/2-inch horizontal	6 1/2	12'-4"	0.042
Mill Creek®	Double 4-inch horizontal	8	12'-6"	0.040
	Double 4-inch Dutch Lap horizontal	8	12'-6"	0.040
	Double 5-inch horizontal	10	12'-0"	0.040
	Double 5-inch Dutch Lap horizontal	10	12'-0"	0.040
Eclipse™	Triple 3-inch horizontal	9	12'-1"	0.040
	Double 4-inch horizontal	8	12'-6"	0.040
	Double 5-inch horizontal	10	12'-0"	0.040
Eclipse™	Double 4 1/2-inch Dutch Lap	9	12'-1"	0.040
	Double 5-inch horizontal	10	12'-0"	0.040
The following soffit profiles are distributed under the Mastic brand name:				
Pro-Bead™ Soffit and Vertical Wainscot	Non-vented soffit and vertical siding	8	12'-6"	0.040
Pro-Tech Plus® Triple 4" Soffit and Vertical Wainscot	Non-vented soffit and vertical siding	12	12'-0"	0.040
Pro-Tech Plus® Triple 4" Vented Soffit	Triple soffit panel with slotted vents	12	12'-0"	0.040
Pro-Select Double 5" Soffit	Double non-vented soffit panel	10	12'-0"	0.040
Pro-Select Double 5" Vented Soffit	Double vented soffit panel	10	12'-0"	0.040
Ventura Hidden Vent	Triple 3 1/3-inch soffit	10	12'-0"	0.044
Universal Vinyl Soffit	Triple 4-inch Non-ventilated	8	12'-0"	0.036
	Triple 4-inch Ventilated	8	12'-0"	0.036
	Triple 4-inch Center ventilated	8	12'-0"	0.036
	Double 5-inch Non-ventilated	10	12'-0"	0.040
	Double 5-inch Ventilated	10	12'-0"	0.040

For **SI**: 1 inch = 25.4 mm, 1 foot = 305 mm.

TABLE 2—ALLOWABLE NEGATIVE WIND LOADS (psf)

PRODUCT NAME	PRODUCT DESCRIPTION	IBC/IRC		
		Nail Spacing @ (in.)		
		8	12	16
The following siding profiles are distributed under the Variform brand name:				
Victoria Harbor	Single 6 ¹ / ₂ -inch horizontal	96.8	–	56.6
Contractor's Choice	Double 4-inch horizontal Double 4 ¹ / ₂ -inch Dutchlap horizontal Double 5-inch horizontal Triple 3-inch horizontal	96.8	–	56.6
D5 Vertical	Double 5-inch vertical	67.3	36.3	–
Camden Pointe	Double 4-inch or Double 4-inch Dutchlap horizontal Double 5-inch Dutchlap horizontal	96.8	–	72.5
Board & Batten	7-inch board and batten vertical	102.3	75.6	–
Ashton Heights	Double 4-inch horizontal Double 4 ¹ / ₂ -inch Dutchlap horizontal	112.6	–	77.4
	Double 5-inch horizontal	77.4	–	67.7
Nottingham	Double 4-inch horizontal Double 4 ¹ / ₂ -inch Dutchlap horizontal	112.6	–	77.4
	Double 4-inch horizontal Double 5-inch horizontal Double 4 ½-inch Dutch Lap horizontal			135.0 108.0 120.0
The following siding profiles are distributed under the Georgia Pacific brand name:				
Compass®	Double 4-inch horizontal Double 4.5-inch Dutch Lap horizontal			129.1 114.7
	Castle Ridge	Single 8-inch horizontal	96.8	–
Forest Ridge	Double 4-inch horizontal Double 5-inch horizontal	96.8	–	56.6
	Shadow Ridge	Double 4-inch Dutchlap horizontal Double 5-inch Dutchlap horizontal	96.8	–
Chatham Ridge	Triple 3-inch horizontal	96.8	–	56.6
Somerset™ Coastal	Single 6 ¹ / ₂ -inch horizontal	96.8	–	56.6
Parkside	Double 4-inch or Double 4-inch Dutchlap horizontal Double 4 ¹ / ₂ -inch Dutchlap horizontal Double 5-inch or Double 5-inch Dutchlap horizontal Triple 3 ¹ / ₃ -inch horizontal	96.8	–	57.3
	Vision Pro	Double 4-inch or Double 4-inch Dutchlap horizontal Double 5-inch or Double 5-inch Dutchlap horizontal	96.8	–
Vertical	Double 5-inch vertical	67.3	36.3	–
Beaded Vertical	7-inch beaded vertical	75.6	–	–
Board & Batten	7-inch board and batten vertical	102.3	75.6	–
The following siding profiles are distributed under the Napco brand name:				
American 76 Collection	6 ¹ / ₂ -inch beaded horizontal	96.8	–	62.3
American Herald	Double 4-inch or Double 4-inch Dutchlap horizontal	96.8	–	88.9
	Double 5-inch or Double 5-inch Dutchlap horizontal	96.8	–	56.6
	Double 5-inch vertical	67.3	36.3	–
American Comfort	Double 4-inch horizontal Double 4 ¹ / ₂ -inch Dutchlap horizontal Double 5-inch horizontal Triple 3-inch horizontal	96.8	–	56.6
	American Splendor	Double 4-inch horizontal Double 4 ¹ / ₂ Dutchlap horizontal Double 5-inch horizontal	128.5	–
American Tradition	Double 4-inch horizontal Double 4 ¹ / ₂ Dutchlap horizontal Double 5-inch horizontal	96.8	–	67.9
	T 4 Vertical	Triple 4-inch solid	61.9	–
American Accents	Single 7-inch board and batten vertical	102.3	75.6	–
Ultra Span	Double 5-inch vertical	–	32.4	–
American 76 Beaded	Single 6.5-inch horizontal			133.0

TABLE 2—ALLOWABLE NEGATIVE WIND LOADS (psf) (Continued)

PRODUCT NAME	PRODUCT DESCRIPTION	IBC/IRC		
		Nail Spacing @ (in.)		
		8	12	16
The following siding profiles are distributed under the TrueWall brand name:				
Series 4000	Double 4-inch or Double 4-inch Dutchlap horizontal Double 5-inch or Double 5-inch Dutchlap horizontal	96.8	–	56.6
Series 4200	Double 4-inch or Double 4-inch Dutchlap horizontal Double 5-inch or Double 5-inch Dutchlap horizontal	96.8	–	56.6
The following siding profiles are distributed under the Mastic brand name:				
Quest	Double 4-inch horizontal Double 5-inch horizontal Double 4 1/2-inch Dutch Lap Double 4-inch horizontal Double 4 1/2-inch Dutch Lap Double 4-inch horizontal Double 4 1/2-inch Dutch Lap	104.4	104.4	104.4
Carvedwood 44	Double 4-inch horizontal Double 5-inch horizontal Double 4 1/2-inch Dutch Lap Triple 3-inch horizontal Double 4-inch horizontal	73.3	73.3	73.3
T-lok Barkwood®	Double 4-inch horizontal Double 5-inch horizontal Double 5-inch Dutch Lap Triple 2 2/3-inch horizontal Single 8-inch horizontal	46.7	46.7	46.7
Liberty Elite®	Double 4-inch horizontal Double 5-inch horizontal Double 5-inch Dutch Lap	46.7	46.7	46.7
Charleston Beaded®	Single 6 1/2-inch horizontal			99,7
Ovation™	Double 4-inch horizontal Double 5-inch horizontal Double 4 1/2-inch Dutch Lap Triple 3-inch horizontal Single 6 1/2-inch horizontal			95,2
Mill Creek®	Double 4-inch horizontal Double 4-inch Dutch Lap horizontal Double 5-inch horizontal Double 5-inch Dutch Lap horizontal Triple 3-inch horizontal	46.7	46.7	46.7
Eclipse™	Double 4-inch horizontal Double 5-inch horizontal Double 4 1/2-inch Dutch Lap			73.6 58.9 65.4

For **SI**: 1 inch = 25.4 mm, 1 lbf/ft² = 0.0479 kPa.