

Product Evaluation

EC60 | 0420

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: EC-60

Effective Date: April 1, 2020

Re-evaluation Date: April 2024

Product Name: Vinyl Siding Products

Manufacturer: Style Crest, Inc.
2450 Enterprise Street
Fremont, OH 43420
(419) 332-7369

General Description:

This evaluation report applies to the following vinyl siding products:

Horizontal Siding:

Product	Profiles	Exposure (in.)	Length (in.)	Nominal Thickness (in.)
Bristol Bay	Double 4	8	150	0.042
Bristol Bay	Double 4-1/2 Dutchlap	9	145	0.042
Bristol Bay	Double 5 Dutchlap	10	144	0.042
Bristol Bay	Double 5	10	144	0.042

Horizontal Siding (Continued):

Product	Profiles	Exposure (in.)	Length (in.)	Nominal Thickness (in.)
Oak Harbor	Double 4	8	150	0.042
Oak Harbor	Double 4-1/2 Dutchlap	9	145	0.042
Oak Harbor	Double 5 Dutchlap	10	144	0.042
Oak Harbor	Double 5	10	144	0.042
Alpine Ridge	Double 4	8	150	0.044
Alpine Ridge	Double 4 Dutchlap	8	150	0.044
Alpine Ridge	Double 5 Dutchlap	10	144	0.044
Alpine Ridge	Double 5	10	144	0.044
Fairfield	Double 4	8	150	0.044
Fairfield	Double 4 Dutchlap	8	150	0.044
Fairfield	Double 5 Dutchlap	10	144	0.044
Fairfield	Double 5	10	144	0.044
Addison Height	Double 4	8	150	0.040
Addison Height	Double 4-1/2 Dutchlap	9	145	0.040
Addison Height	Double 5 Dutchlap	10	144	0.040
Addison Height	Double 5	10	144	0.040
Addison Height	Triple 3.33	10	144	0.040
Spiegel Grove	Double 4	8	150	0.040
Spiegel Grove	Double 4-1/2 Dutchlap	9	145	0.040
Spiegel Grove	Double 5 Dutchlap	10	144	0.040
Spiegel Grove	Double 5	10	144	0.040
Spiegel Grove	Triple 3.33	10	144	0.040
Carrington	Double 4	8	150	0.046

Vertical Siding:

Product	Profiles	Exposure (in.)	Length (in.)	Nominal Thickness (in.)
Lexington Series	7" Board and Batten	7	120	0.048
Select Series	7" Board and Batten	7	120	0.048

Limitations:

Design Wind Pressures: Design wind pressure limitations are specified in the Tables 1-3.

Design Wind Pressures:

Table 1. Horizontal Siding

Product	Profiles	Fastener Spacing ¹	
		16"	8"
Bristol Bay	Double 4	-66.1 psf	-98.2 psf
Bristol Bay	Double 4-1/2 Dutchlap	-66.1 psf	-98.2 psf
Bristol Bay	Double 5 Dutchlap	-66.1 psf	-98.2 psf
Bristol Bay	Double 5	-66.1 psf	-98.2 psf
Oak Harbor	Double 4	-66.1 psf	-98.2 psf
Oak Harbor	Double 4-1/2 Dutchlap	-66.1 psf	-98.2 psf
Oak Harbor	Double 5 Dutchlap	-66.1 psf	-98.2 psf
Oak Harbor	Double 5	-66.1 psf	-98.2 psf
Alpine Ridge	Double 4	-66.1 psf	-98.2 psf
Alpine Ridge	Double 4 Dutchlap	-66.1 psf	-98.2 psf
Alpine Ridge	Double 5 Dutchlap	-66.1 psf	-98.2 psf
Alpine Ridge	Double 5	-66.1 psf	-98.2 psf
Fairfield	Double 4	-66.1 psf	-98.2 psf
Fairfield	Double 4 Dutchlap	-66.1 psf	-98.2 psf
Fairfield	Double 5 Dutchlap	-66.1 psf	-98.2 psf
Fairfield	Double 5	-66.1 psf	-98.2 psf
Addison Height	Double 4	-66.1 psf	-98.2 psf
Addison Height	Double 4-1/2 Dutchlap	-66.1 psf	-98.2 psf
Addison Height	Double 5 Dutchlap	-66.1 psf	-98.2 psf
Addison Height	Double 5	-66.1 psf	-98.2 psf
Addison Height	Triple 3.33	-66.1 psf	-98.2 psf

Note:

¹Fastener spacing noted as 16" on center requires fasteners to penetrate into the wall studs. Fastener spacing noted as 8" on center requires fasteners to penetrate into the wall sheathing and the wall studs.

Design Wind Pressures:

Table 1. Horizontal Siding (Continued)

Product	Profiles	Fastener Spacing ¹	
		16"	8"
Spiegel Grove	Double 4	-66.1 psf	-98.2 psf
Spiegel Grove	Double 4-1/2 Dutchlap	-66.1 psf	-98.2 psf
Spiegel Grove	Double 5 Dutchlap	-66.1 psf	-98.2 psf
Spiegel Grove	Double 5	-66.1 psf	-98.2 psf
Spiegel Grove	Triple 3.33	-66.1 psf	-98.2 psf

Note:

¹Fastener spacing noted as 16" on center requires fasteners to penetrate into the wall studs. Fastener spacing noted as 8" on center requires fasteners to penetrate into the wall sheathing and the wall studs.

Table 2. Horizontal Siding – Double nail Slots

Product	Profiles	Nail Slot Spacing ¹	Design Pressure
Carrington	Double 4	16" top nail slots	-77.2 psf
		16" bottom nail slots	-70.9 psf

Note:

¹Fasteners must penetrate into the wall studs.

Table 3. Vertical Siding

Product	Profiles	Nail Spacing ¹	Design Pressure
Select Series	7" Board and Batten	12"	-114.3 psf
Lexington Series	7" Board and Batten	12"	-114.3 psf

Note:

¹Fasteners must penetrate into the wall sheathing.

Installation:

General Installation Requirements:

All fasteners must be corrosion resistant.

For the horizontal siding, fasteners must be driven into the center of the nailing slot, leaving a minimum 1/32" space between the fastener head and the vinyl siding. Siding panel ends should be staggered from adjacent courses.

For the vertical siding, secure the siding by fastening at the top of the top-most full nail slot. Allow for 1/4" upward movement and 3/8" downward movement of the panel. The remainder of the fasteners must be driven into the center of the nailing slot leaving 1/32" spacing between the fastener head and the vinyl siding.

Fasteners: Fasteners must be minimum 11-gauge smooth shank roofing nails. The fasteners must be a minimum of 1-1/2" in length and have a minimum 3/8" diameter head.

Wall Framing: Wall framing must be minimum Spruce-Pine-Fir dimension lumber. The wall stud spacing must not exceed 16" on center.

Wall Sheathing: As a minimum, either the interior or exterior surface of the wall must be sheathed with either structural or non-structural materials. If non-structural materials (such as foam or fiberboard) are used on the exterior side of the wall, then the length of the fasteners used to secure the vinyl siding to the wall framing must be increased by the thickness of the non-structural material.

If the installation requires that the fasteners penetrate into the wall sheathing, then the wall sheathing must be minimum nominal 7/16" OSB wood structural panels.

Siding Attachment:

Horizontal Siding: Fasteners spaced 16" on center require the fasteners to penetrate into the wall studs. Fasteners spaced 8" require the fasteners to penetrate into the wall studs and into the wall framing. Refer to Tables 1 and 2.

Vertical Siding: Fasteners must penetrate into the wall sheathing. Refer to Table 3.

Starter Strips, Corner Posts, and J-Channels: Apply the starter strips with fasteners spaced a maximum of 10" on center. Attach the Corner Posts and J-Channels to the wall framing with a maximum fastener spacing of 10" on center.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.