

Product Evaluation

EC03 | 0621

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-03

Effective Date: June 1, 2021

Re-evaluation Date: June 2025

Product Name: Vinyl Siding Products

Manufacturer: Alside, Inc.
3773 State Road
Akron, OH 44309
(800) 922-6009

General Description:

This evaluation report applies to the following vinyl siding products:

Horizontal Siding:

Product Name	Profile	Exposure	Panel Thickness
Conquest	Double 4-1/2"	9"	0.040"
	Double 4-1/2" Dutchlap	9"	0.040"
Coventry	Double 4"	8"	0.042"
	Double 4" Dutchlap	8"	0.042"
	Double 5"	10"	0.042"
	Double 5" Dutchlap	10"	0.042"
	Triple 3"	9"	0.042"

Horizontal Siding (continued):

Product Name	Profile	Exposure	Panel Thickness
Odyssey	Double 4"	8"	0.044"
	Double 4" Dutchlap	8"	0.044"
	Double 5"	10"	0.044"
	Double 5" Dutchlap	10"	0.044"
Prodigy	Double 6"	12"	0.046"
	Double 5" Dutchlap	10"	0.046"
	Single 7"	7"	0.046"
Charter Oak	Double 4-1/2"	9"	0.046"
	Double 4-1/2" Dutchlap	9"	0.046"

Limitations

Design Pressure: Table 1 specifies the allowable design pressures for the vinyl siding products.

**Table 1
Design Pressures**

Product Name	Profiles	Design Pressure (psf)
Conquest	Double 4-1/2"	-68.8
	Double 4-1/2" Dutchlap	
Coventry	Double 4"	-46.7
	Double 4" Dutchlap	
	Double 5"	
	Double 5" Dutchlap	
Odyssey	Triple 3"	-60.0
	Double 4"	
	Double 4" Dutchlap	
	Double 5"	
Prodigy	Double 5" Dutchlap	-66.7
	Single 7"	-66.7
	Double 6"	-66.7
Charter Oak	Double 4-1/2"	-73.3
	Double 4-1/2" Dutchlap	-73.3

Installation:

Fasteners: Minimum 1-1/2" long roofing nails (minimum 0.125" smooth shank diameter) with a minimum 3/8" diameter head. Drive fasteners in the center of the nailing slot, leaving a minimum 1/32" space between the fastener head and the vinyl siding. The fasteners must penetrate the

wall studs. Space fasteners a maximum of 16" on center. Stagger panel ends from adjacent courses.

Wall Sheathing: Sheath either the interior or the exterior surface of the wall with either structural or non-structural materials. If non-structural materials (such as foam or fiberboard) are used on the exterior surface of the wall, then the siding fastener length must be increased by the thickness of the non-structural material to maintain the fastener penetration depth.

Wall Studs: The maximum wall stud spacing must not exceed 16" on center. Use minimum Spruce-Pine-Fir dimension lumber for the wall studs.

Starter Strips, Corner Posts, and J-Channels: Apply the starter strips with fasteners spaced a maximum of 8" on center. Install fasteners on corner posts with a maximum spacing of 10" on center. Attach J-Channels to the framing member with a maximum fastener spacing of 10" on center.

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