



Product Evaluation

EC75 | 1114

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-75

Effective Date: October 1, 2014

Revised: November 1, 2014

Re-evaluation Date: September 2018

Product Name: Horizontal Vinyl Siding Products

Manufacturer: Norandex Building Materials Distribution, Inc.
300 Executive Parkway West, Suite 100
Hudson, OH 44236
(333) 656-8800

General Description:

This evaluation report applies to the following vinyl siding products:

Horizontal Siding:

Product Name	Profile	Exposure	Length	Panel Thickness
Great Barrier	Double 4"	8"	150"	0.046"
	Double 5" Dutchlap	10"	144"	0.046"
Great Barrier XL	Double 4"	8"	200"	0.046"
	Double 5" Dutchlap	10"	200"	0.046"

Design Pressure: Table 1 specifies the allowable design pressures for the vinyl siding products based on the fastener type and fastener spacing.

Table 1: Design Pressures (psf)

Product Name	Profiles	Design Pressure
Great Barrier	Double 4"	-148.1 psf
	Double 5" Dutchlap	-107.9 psf
Great Barrier XL	Double 4"	-148.1 psf
	Double 5" Dutchlap	-107.9 psf

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 into the wall studs. Space the fasteners a maximum of 16" on center. Stagger panel ends from adjacent courses.
- **Wall Sheathing:** As a minimum, sheath either the interior or the exterior surface of the wall either structural or non-structural materials. Use non-structural materials (such as foam or fiberboard) when the length of the fasteners used to secure the vinyl siding to the framing is increased by the thickness of the non-structural material.
- **Wall studs:** The maximum wall stud spacing must not exceed 16" on center. Use a minimum of Spruce-Pine-Fir dimension lumber for wall studs.
- **Starter Strips, Corner Posts, and J-Channels:** Apply the starter strips with fasteners spaced a maximum of 8" on center. Use a maximum fastener spacing of 10" on center for corner posts. Attach J-Channels to the framing member with a maximum fastener spacing of 10" on center.

Note: The manufacturer's installation instructions must be available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.