

Product Evaluation

EC75 | 0120

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: January 1, 2020

Re-evaluation Date: February 2024

Product Name: Horizontal Vinyl Siding Products

Manufacturer: Norandex, a division of ABC Supply Co., Inc.
ABC Parkway
Beloit, WI 53511
(800) 528-0942

General Description:

This evaluation report applies to the following vinyl siding products:

Horizontal Siding:

| Product | Profiles | Exposure (in.) | Nominal Thickness (in.) | Length (in.) |
|------------------|-------------------|----------------|-------------------------|--------------|
| Great Barrier | Double 4 | 8 | 0.046 | 150 |
| | Double 5 Dutchlap | 10 | 0.046 | 144 |
| Great Barrier XL | Double 4 Dutchlap | 8 | 0.046 | 200 |
| | Double 5 Dutchlap | 10 | 0.046 | 200 |

Limitations:

Design Wind Pressures: Design wind pressure limitations are specified in the Table 1.

Design Wind Pressures:

Table 1. Horizontal Siding

| Product | Profiles | Design Pressure |
|------------------|-------------------|-----------------|
| Great Barrier | Double 4 | -148 psf |
| | Double 5 Dutchlap | -108 psf |
| Great Barrier XL | Double 4 Dutchlap | -148 psf |
| | Double 5 Dutchlap | -108 psf |

Installation:

General Installation Requirements:

All fasteners must be corrosion resistant.

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.

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.

Siding Attachment:

Fasteners are required to penetrate into the wall studs.

Starter Strips, Corner Posts, and J-Channels: Apply the starter strips with fasteners spaced a maximum of 8" 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.