

Product Evaluation

EC133 | 0222

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-133

Effective Date: February 1, 2022

Re-evaluation Date: February 2026

Product Name: PVC (Vinyl) Composite Board and Batten Siding

Manufacturer: AZEK Building Products
894 Prairie Avenue
Wilmington, OH 45177
(877) 275-2935

General Description:

The PVC (Vinyl) composite board and batten siding is installed as an exterior wall covering. The siding is manufactured from ridged cellular poly vinyl chloride (PVC).

The siding is nominal 1/2" thick, 48" wide, and 144" long. The battens are 3/4" thick and 1-1/2" to 2-1/2" wide.

Limitations:

Design Pressure:

Board Only Installation: -56.0 psf

Double Fastener Installation: -145.0 psf

Wall Bracing: The vinyl siding is non-loadbearing. The siding must not be used as wall bracing or as a shearwall.

Installation:

General Installation Requirements: Install the vinyl siding in accordance with this product evaluation report and the manufacturer's installation instructions.

Wall Framing: Wall studs must be spaced a maximum of 16" on center.

Wall Sheathing: Sheath the exterior surface of wall studs with minimum 7/16" thick wood structural panels (plywood or OSB). Wall sheathing must be secured to the wall framing as required by the IRC or the IBC.

Fasteners:

Board Only Installation: Use corrosion resistant exterior rated fasteners such as hot dipped galvanized or stainless steel with a minimum 0.092" shank diameter, 0.266" head diameter, 1-1/2" long ring shank nails. The fasteners are located 1/2" from the edge and ends of the panel. Locate fasteners 8" on center vertically along the panel edges and 12" on center vertically in the field of the panels. Space vertical rows of fasteners a maximum of 16" on center. The fasteners penetrate into and through the wall sheathing. Fasteners are not required to penetrate into the wall studs.

Board and Batten Installation: For the board, use corrosion resistant exterior rated fasteners such as hot dipped galvanized or stainless steel with a minimum 0.092" shank diameter, 0.266" head diameter, 1-1/2" long ring shank nails. The fasteners are located 1/2" from the edge and ends of the panel. Locate fasteners 8" on center vertically along the panel edges. Space the vertical rows of fasteners a maximum of 48" on center. Locate the battens vertically, spaced a maximum of 16" on center. Use minimum 0.192" shank diameter, 0.260" head diameter, 2" long screws. Along the batten, locate the fasteners 1/2" from the ends and a maximum of 12" on center vertically along the length of the batten. The fasteners penetrate through the batten, the board, and into the sheathing. The fasteners penetrate into and through the wall sheathing. Fasteners are not required to penetrate into the wall studs.

Trim: Apply the trim in accordance with the manufacturer's installation instructions.

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.