

Product Evaluation

EC155 | 0823

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-155

Effective Date: August 1, 2023

Re-evaluation Date: August 2027

Product Name: Versa and Metalblock Metal Siding Panels on Wood Battens

Manufacturer: Mac Metal Architectural Inc.
5975, Ch. De la Savane
Saint-Hubert, QC, J3Y 0X1, Canada
(450) 464-5486

General Description:

The Versa and Metalblock are prefinished galvanized steel siding panels. The siding panels are installed as a non-loadbearing exterior wall covering. The panels are minimum 26-gauge galvanized steel. The panels have a covering height of 12". Both siding panels are available in custom lengths of up to 60 feet. Versa and Metalblock can be installed horizontally, vertically or diagonally.

Limitations:

Design Pressure:

- Batten Spacing 16" o.c.: +/- 43.2 psf
- Batten Spacing 24" o.c.: +/- 33.3 psf
- Batten Spacing 36" o.c.: +/- 33.2 psf
- Batten Spacing 48" o.c.: +/- 33.2 psf

Wall Bracing: The Versa and Metalblock siding panels are not to be used to resist lateral loads (must not be used as wall bracing or as a shearwall).

Installation:

General Installation Requirements:

The siding panels must be installed in accordance with the manufacturer's published installation instructions and this product evaluation report. Where differences occur between the installation instructions and this evaluation report, this evaluation report must be followed. Use corrosion resistant fasteners as specified in the IRC and the IBC.

The siding panels must be installed by qualified installers recognized by Mac Metal Architectural Inc.

Wall Framing: Wall framing must be minimum Southern Yellow Pine dimension lumber. The wood wall studs are spaced a maximum of 16" on center.

Wall Bracing: Wall bracing must be installed as required for the structure.

Battens: Nominal 2 x 4 Spruce-Pine-Fir wood dimension lumber. The battens are applied horizontally over the wall stud locations. The spacing of the battens must be either 16", 24", 36", or 48" on center depending on the design pressure to be achieved as specified in this evaluation report. The battens must be secured to the wall studs to resist the required design pressures for the assembly being installed. The attachment of the battens to the wall framing is outside the scope of this evaluation report.

Attachment of Metal Panels: The Versa and Metalblock siding panels are secured to the wood battens with No. 8 x 1-1/4" long MAC K-Latch self-tapping screws provided by MAC Metal. The fasteners are secured through the siding fastener slots and into the wood battens. One fastener is required at each wood batten location. The fasteners have a penetration of approximate 1" into the wood battens.

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.