

Product Evaluation

EC139 | 0722

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-139

Effective Date: July 1, 2022

Re-evaluation Date: May 2026

Product Name: Norwood and Norwood Mini Siding Panel Formed Metal Panels

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

General Description:

The Norwood and Norwood Mini siding panels are prefinished galvanized steel siding panels. The siding panels are installed as non-loadbearing exterior wall covering. The panels are minimum 26-gauge galvanized steel.

The Norwood panels have an exposure of 5.38" and are available in lengths up to 12 feet. The Norwood Mini panels have an exposure of 3.40" and are available in lengths up to 12 feet.

Limitations:

Design Pressure:

Norwood:

Wall studs 16" o.c.: +66.7 psf; -53.3 psf

Wall studs 24" o.c.: +46.7 psf; -46.7 psf

Design Pressure:

Norwood Mini:

Wall studs 16" o.c.: +66.7 psf; -66.7 psf

Wall studs 24" o.c.: +46.7 psf; -46.7 psf

Wall Bracing: The Norwood and the Norwood Mini 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 Norwood and the Norwood Mini 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 Norwood and the Norwood Mini 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 may be spaced either 16" on center or 24" on center. Design pressure limitations are specified in the Limitations section of this evaluation report for each wall stud spacing.

Wall Sheathing: It is not a requirement that wall sheathing be installed for the installation of the siding panels.

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

Water-Resistive Barrier: If a water resistive barrier is used, then it must be as required by Mac Metal Architectural Inc. and installed as required by the product manufacturer, the IRC, and the IBC.

Panel Installation: The panels are secured to the wall studs with No. 8 x 1-1/8" long screws provided by MAC Metal. The fasteners are located on every panel intersection with the wall studs. The fasteners are secured through the fastener slots in the panels. The fasteners have a penetration of approximate 1" into the wall studs. Note: if wood furring strips are used, the furring strips must be applied vertically over the location of the wall studs and secured in place. The fasteners used to secure the panels must be long enough to penetrate through the furring strips and approximately 1" into the wall studs.

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.