

Product Evaluation

RC310 | 0320

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: RC-310

Effective Date: March 1, 2020

Re-evaluation Date: March 2024

Product Name: Moderne Slate Roofing Shingles

Manufacturer: TRACC

149 Industrial Park Rd.
Minto, New Brunswick
Canada E4B 3A6
(506) 327-9820

Moderne Slate Inc.

5377 Kregulka Rd.
Alba, MI 49611

General Description:

The Moderne Slate Roofing Shingles are a polymer composite synthetic roofing shingle produced 99 percent post-consumer recycled plastics and reclaimed rubber. The roofing shingles measure approximately 11-3/8" x 15-7/8" with a thickness tapering from 0.200" to 0.115". The roofing shingles are available in three (3) styles: FanGate, Scallop Round, and Regular Square. The roofing shingles are available in four (4) colors.

Limitations:

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

Roof Deck: Minimum nominal 15/32" thick plywood sheathing.

Roof Deck Attachment: The roof deck must be attached to roof framing to resist the required wind uplift pressured of either the IRC or the IBC.

Limitations (continued):

Roof Slope: The roofing shingles are for application to roof decks with slopes of 4:12 and greater.

Installation Over an Existing Roof Covering: Not permitted

Table 1. Moderne Slate Roofing Shingles

Design wind pressure
-73.5 psf

Installation:

Underlayment: Self-adhering underlayment must comply with ASTM D 1970 and ICC-ES acceptance criteria AC152 Section 3.4 Alternate Underlayments. The self-adhering underlayment must be installed in accordance with the self-adhering underlayment product evaluation report and the self-adhering underlayment manufacturer's installation instructions.

Metal Drip Edge and Flashing: A metal drip edge must be installed on the bottom edge of the roof (eaves) and on the open gable ends to deflect and prevent any wind driven rain from penetrating under the slate shingles. Similarly, the installation of the flashing is required in valleys, along side walls of dormers, around chimneys and pipes, and around any other protruding structure that may hold ice and snow, or could allow water to penetrate.

Exposure: The roofing shingles must have a maximum exposure of 6".

Attachment of Shingles to Roof Deck: The shingles must be installed as specified in the Moderne Slate Installation manual. Attach each shingle to the wood roof deck with minimum 11-gauge sooth shank roofing nails with a minimum 1-1/2" length. The fasteners must either be cooper, stainless steel, or hot-dipped galvanized. Two (2) fasteners are required per shingle. The fasteners must be placed at the locations indicated (divots) on the shingles. Ensure that the head of the fastener is flush with the shingle surface. A starter course must be installed a specified in the Installation Manual. Subsequent courses of shingle must be installed as specified in the Installation Manual.

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.