

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
RC-109

Effective February 1, 2004
Revised April 1, 2006

*The following product has been evaluated to withstand the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation 3 years after the effective date.*

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.

TAMKO's Lamarite Slate Composite Shingles manufactured by

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are acceptable roof shingles in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Lamarite™ Slate Composite Shingles ("Shingles") simulate the look of natural slate. Lamarite™ Shingles are 18" x 12", 18" x 7", 18" X 5" and are suitable for installation with a maximum exposure of 7 ½". Diamond and Scallop shape shingles are available in 12" widths with a maximum exposure of 7½" for the Scallop shape and 6" for the Diamond shape.

LIMITATIONS

Design Pressure: -82.5 psf

For All Applications: Underlayment is required prior to the application of Lamarite™ Slate Composite Shingles. Lamarite™ Slate Composite Shingles shall have a maximum exposure of 7 ½" (with the exception of the Diamond shape, which has a maximum exposure of 6 inches).

Roof Slope: Lamarite™ shingles are for application to roof decks with slopes of 3:12 and greater.

INSTALLATION INSTRUCTIONS

Roof Deck: Minimum $\frac{15}{32}$ " thick Type B-C rated plywood sheathing.

Underlayment: A minimum of one (1) layer of ASTM D226, Type II underlayment with minimum 4 inch side lap. For roof slopes of 3:12 to 6:12, TAMKO's self adhering Moisture Guard Plus or Tamko's TW Metal & Tile Underlayment must be applied over the entire deck.

Fasteners: Fasteners used to attach shingles to the plywood deck shall be $1\frac{1}{2}$ " long galvanized or stainless steel ring shank nails, the shank diameter shall be a minimum of 0.125 in. The head of the nail shall be a nominal $\frac{3}{8}$ inch in diameter. Fasteners to be spaced 8 in. from the butt end of the shingle and 2 in. from the edge of the shingle. Two (2) nails per shingle are required when installing Lamarite™ Slate Composite Shingles. Fasteners are to be placed $\frac{1}{4}$ - $\frac{1}{2}$ inch below the standard nailing locations, which are indicated on the shingles. The Diamond shape should always be fastened at the standard nailing location indicated on the shingle.

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).