



# Product Evaluation

RC40 | 0116

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-40

**Effective Date:** January 1, 2016

**Re-evaluation Date:** December 2019

**Product Name:** Stone Coated Formed Metal Shingles Installed Over a Plywood Deck

**Manufacturer:** Allmet Roofing Products  
P.O. Box 220  
Courtland, Ontario, Canada N0J 1E0  
(519) 688-2200

## General Description:

The roof panels are pressure formed from 26-gauge galvanized sheet steel. The panels comply with ASTM A653 or galvalume sheet steel complying with ASTM A792, Grade 33, having an AZ 150 hot-dipped aluminum zinc alloy coating. The overall nominal dimensions of the panels are 49-1/2" in length and 15-13/16" in width. Each panel laps with an adjacent panel to provide a weather-tight construction. The panels are coated with a coil-coated, baked-on primer on both sides with a semigloss wash-coat on the reverse side. On the exposed side, ceramic coated granules are bonded to the panels with acrylic resin. The surface of the panel is finished with a clear acrylic overglaze.

This product evaluation covers the following steel panel products: Continental Tile, Woodshake Tile, Shadowline Tile and Talavera SF Tile.

## Limitations:

**Roof Slope:** Do not install the product on roof slopes less than 3:12.

**Design Wind Pressure:** -135 psf

**Installation Instructions:**

**Roof Deck:** Plywood sheathing must be used for the roof deck, and the sheathing must be minimum 15/32" thick.

**Underlayment:** A minimum of one layer of 15 lb. underlayment (ASTM D 226 Type I) must be installed in accordance with the IRC.

**Battens:** The roof panels are fastened to 2 x 2", minimum construction grade Spruce-Pine-Fir, wood battens. The first batten is installed with the upper edge flush with the fascia. The second batten is positioned at 15" up from the first. The remaining battens are installed at 15 13/16" on center. The battens are secured to each rafter with No. 12-13 x 3-3/4" long, No. 3 Phillips drive truss-head self-drilling, self-tapping coated steel screws spaced a maximum of 24" o.c.

**Anchorage:** The roof panels must be fastened to the 2 x 2 wood battens with No. 9, No. 10 or No. 11 x 1-1/2" long hex-head corrosion resistant screws as supplied by the manufacturer.

**Continental Tile:** The fasteners are placed in each panel valley for a total of five screws per panel.

**Shadowline Tile:** The fasteners are located at the center line of rib locations for a total of six fasteners per panel.

**Shake Tile:** One fastener is located at the center of each 4" low pattern and two in each 8" wide low pattern on each end for a total of six fasteners for each panel.

**Talavera SF Tile:** The fasteners are located in the front nose, low profile (flat) at the point where the barrel begins for a total of six fasteners per panel.

**Note:** Keep the manufacturer's installation instructions on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.