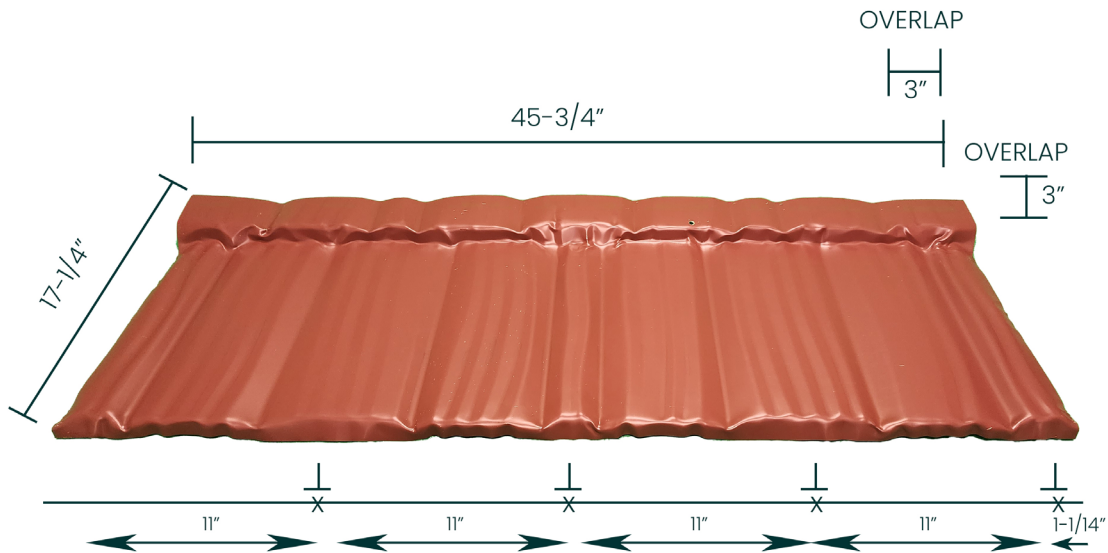


PRODUCT DATA SHEET

METAL SHAKE SERIES (STEEL)

Product/System Description:

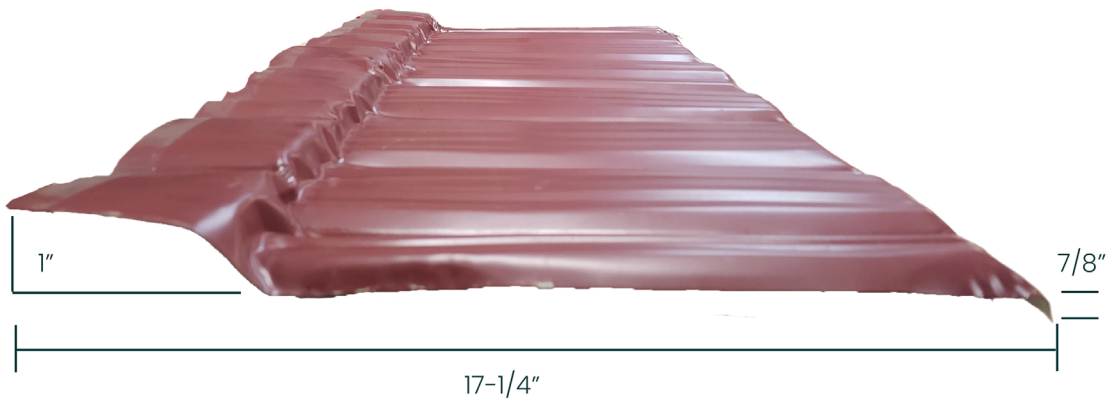
A 24-gauge steel roofing panel, with the appearance of a traditional wood shake roof, that is attached to structural rafters using a wood batten system.



PLAN VIEW

ALL FASTENERS #9 X 2" LG. S.D. FASTENERS WITH METAL

TYPICAL SIDE ELEVATION VIEW





PRODUCT DATA SHEET

METAL SHAKE SERIES (STEEL)

Components, Materials, and Standards:

Material: Steel

Thickness: 24-Gauge

Panel Length: 45 ⁵/₈" (Nominal)

Panel Width: 17 ¹/₄" (Nominal)

Rib Height: 2 ¹/₈" (Nominal)

Yield Strength: 40 KSI Minimum

Steel Designation: CS-Type B

Corrosion Resistance: In compliance with FBC Section 1507.4.3 and ASTM A653 G90 Galvanized Steel

Battens:

Type: Dimensional Lumber

Size: 2" x 2" minimum

Density: 0.39" minimum

Spacing: 14" on center (Nominal)

Fasteners (Roof Panel to Battens):

Type: Hex-Head Screw with WSW

Size: #9-15 x 2" minimum

Corrosion Resistance: Per FBC Section 1507.4.4 and 1506.6

Standard: Per ANSI/ASME B18.6.1

Fasteners (Battens Attach, to Plywood Deck 12" on center & rafter/truss top chord 24" on center):

Type: Wood Wafer Head Screws

Size: #10 x 3 ¹/₂" minimum

Embedment: 1 ¹/₂" minimum into wood rafter top chord

Corrosion Resistance: Per FBC Section 1506.6

Standard: Per ANSI/ASME B18.6.1

Underlayment:

Material and application shall be in compliance with FBC Section 1507.1.1 and in accordance with applicable code sections and manufacturer's recommendations.

Support:

Plywood per FBC Chapter 23, minimum thickness of 15/32"

Slope:

Minimum slope of 4:12 or greater is required



PRODUCT DATA SHEET

METAL SHAKE SERIES (STEEL)

Paint Finish:

Pre-Painted and Mill Finish Steel, painted with 70% PVDF Fluorocarbon. Designed for application to Hot Dipped Galvanized, Zinc-Aluminum Alloy steel, and Aluminum substrates. Dura Coat Products, Inc. Durapon 70 PVDF Fluorocarbon provides a 40 Year Limited Warranty (see full warranty for specifications).

Powder Coated Finish (Optional Enhanced Finish):

MMR applies a proprietary powder mix to the pre-painted steel panels, which is heat cured, ensuring a permanent bond.

Performance:

Wind Uplift Resistance: Design Uplift Pressure Resistance = 79 PSF
(Based on batten spacing at 14" on center and batten screw spacing at 12" on center)

Performance Standards:

The Metal Shake Series has demonstrated compliance with:
UL580-06 – Test for Uplift Resistance of Roof Assemblies
UL 1897-12 Uplift test for roof covering systems

Code Compliance:

The Metal Shake Series has demonstrated compliance with:
Florida Building Code 7th Edition (2020)
International Building Code 2018

Installation Methods (See installation manual for details):

Standard Installation
Coastal Installation

Florida Approval Numbers:

Standard Installation: FL 41831.2
Coastal Installation: FL 41831.1