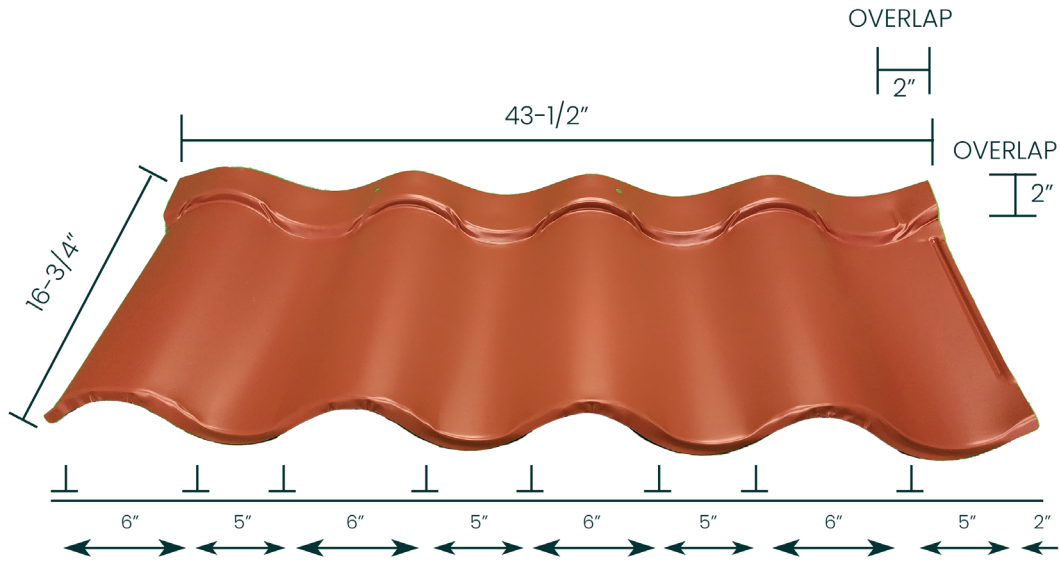


# PRODUCT DATA SHEET

## METAL TILE SERIES (ALUMINUM)

**Product/System Description:**

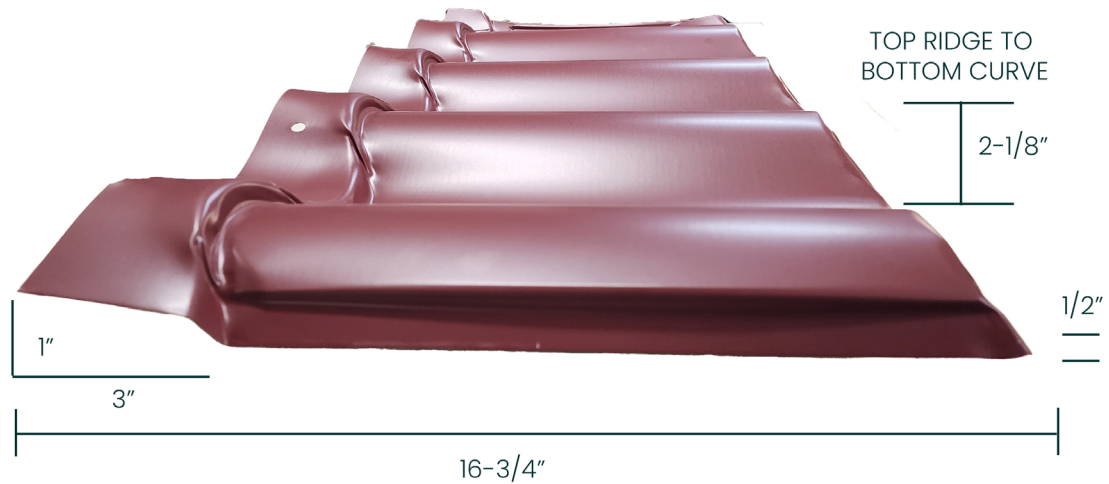
A .032 aluminum roofing panel, with the appearance of a traditional clay tile roof, that is attached to structural rafters using a wood batten system. It is designed for use in coastal areas where seawater is prevalent.



PLAN VIEW

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

### TYPICAL SIDE ELEVATION VIEW





# PRODUCT DATA SHEET

## METAL TILE SERIES (ALUMINUM)

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### **Components, Materials, and Standards:**

Material: Aluminum

Thickness: 0.032"

Panel Length: 43 1/2" (Nominal)

Panel Width: 16 3/4" (Nominal)

Rib Height: 2 1/8" (Nominal)

Yield Strength: 21 KSI Minimum

Grade: 3105 H-24

Corrosion Resistance: In compliance with FBC Section 1507.4.3 and ASTM B209 Aluminum

### **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 TILE SERIES (ALUMINUM)

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### **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 aluminum panels, which is heat cured, ensuring a permanent bond.

### **Performance:**

Wind Uplift Resistance: Design Uplift Pressure Resistance = 138 PSF  
(Based on batten spacing at 14" on center and batten screw spacing at 12" on center)

### **Performance Standards:**

The Metal Tile Series in aluminum 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 Tile Series in aluminum has demonstrated compliance with:  
Florida Building Code 8th Edition (2023)  
International Building Code 2021

### **Installation Methods (See installation manual for details):**

Coastal Installation

### **Florida Approval Numbers:**

Coastal Installation: FL 41831.6-R1