

## Technical Data Sheet

### Matterhorn® Shake Metal Roofing



#### Product Information

Matterhorn Shake metal roofing is authentically crafted, light-weight, fully recyclable, energy efficient and forged in steel. Each panel is comprised of a carbon alloy steel core, with hot-dipped G90 Zinc Phosphate anti-corrosion coating, plus an exterior PVDF Paint System . With its colors designed to recreate the hues of natural shake, Matterhorn Shake adds a warm, custom-crafted appearance to your home.



#### Cool Roof Coating Technology and ENERGY STAR® Rating

PVDF Paint System “cool roof coating technology” improves the radiative properties of the steel, making it significantly more energy efficient. Its specialized roof coating increases both the solar reflectance and thermal emittance.

#### Colors

Available in Cedar, Shorewood, Weathered Wood, and Timber Ash colors.

Gauge	Thickness
30	0.016”

#### Panel Dimensions (Nominal)

Panel	Width (in)	Length (in)	Lower Edge Thickness (in)	Upper Edge Thickness (in)
Uninstalled	22-1/8	47-1/2	3/8	3/16
Installed/Exposed	20-1/2	45-7/8	3/8	3/16

#### Roof Coverage; 1 square (1 sq.) = 100 sq. ft.

Panels/sq. (nominal)	Panels/sq. (actual)	Cartons/sq. (nominal)	Weight/sq. (lb)
16	15.3	2	90

#### Packaging and Shipping Information

Panels/Carton	Weight/Carton (lb)	Cartons/Pallet	Weight/Pallet (lb)	Pallets/TL	Weight/TL (lb)
8	45	40	1,800	22	39,600

#### Code Compliance

Test/Criteria*	Standard	Compliance
Fire Resistance	ASTM E-108	Class A & B Fire rating. Reference IAPMO UES Report #375
Wind Resistance	AC166, UL 580, UL 1897.	130 mph Wind Rating
Impact Resistance	UL2218	Class 4; TDI Listed.
Gravity Load Resistance	ASTM E72	Pass
Weathering Resistance	IBC 1504.6 / ASTM G-154	Pass
Wind-Driven Rain	AC166 (Sec. 4.2)	Pass

\*Complies with all pertinent sections of ICC-ES AC-166 “Acceptance Criteria for Metal Roof Coverings. See IAPMO UES Report #375.

## Application Instructions

Apply Matterhorn Shake shingles following the method described in CertainTeed's installation guide which can be found at [CertainTeed.com](http://CertainTeed.com) or by contacting CertainTeed at 1-800-233-8990. Roof slope must be 3:12 or greater. Roof deck must be a minimum 15/32" thick solid plywood or 7/16" thick OSB. If Class "A" fire resistance is desired, then an FR rated "slip sheet" be applied over the plywood/OSB deck. CertainTeed WinterGuard® HT, CertainTeed MetaLayment® or equivalent high temperature resistant self-adhering underlayment must be installed directly to the deck on all eaves and in all valleys. CertainTeed's DiamondDeck® synthetic underlayment, or its equivalent, must be applied to the balance of the roof deck.

**IMPORTANT:** For roof slopes from 3:12 up to 4:12, CertainTeed WinterGuard® HT, CertainTeed MetaLayment® or equivalent high temperature resistant self-adhering underlayment must be installed over the entire deck. Ensure deck underside is properly ventilated.

## Accessory Products

Refer to Shake / Slate Accessory Brochure

## Limited Warranty

CertainTeed warrants to the original homeowner that, when subject to normal and proper use, its Matterhorn painted metal roof shingles (a) will be free from manufacturing defects (b) will not peel, flake, chip, or crack, (c) will meet UL 2218 Class 4 impact resistance, (d) will resist wind uplift damage in winds up to 130 miles per hour, and (e) will not, after removal of foreign surface deposits, chalk more than eight (8) Hunter ΔE (color difference) units, and all paint colors which are contained on the surface will not fade under normal weathering more than five (5) Hunter ΔE units. Color difference units are determined by ASTM D2244. Chalk erosion ratings are determined by ASTM D4214, Method A. The Limited Warranty remains in effect for as long as the original homeowner owns the residence where Matterhorn shingles were originally installed. See actual Limited Warranty for full details.

Matterhorn Shake, Slate and Tile accessory products carry a limited warranty against manufacturing defects concurrent with the warranty of the field shingle with which it is installed.

## CertainTeed Roofing

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