

## CertainTeed Metal Roofing-Shake

### PRODUCT INFORMATION

CertainTeed 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, CertainTeed Shake Metal Roofing 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. All Shake colors are ENERGY STAR Certified and rated with the Cool Roof Rating Council.

### Colors Available

Weathered Wood    Shorewood    Timber Ash    Cedar

### Physical Properties

Gauge	Thickness
28	0.016"

### Panel Dimensions (Nominal):

Panel	Width [in]	Length [in]	Thickness [in]	
			Lower Edge	Upper Edge
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:

Panels / Square [nominal]	Panels / Square [actual]	Cartons / Square [nominal]	Weight / Square [lb]
16	15.3	2	96

1 Square = 100 sq ft

### Packaging and Shipping Information:

Panels / Carton [ea]	Weight / Carton [lb]	Cartons / Pallet [ea]
8	45	40

Weight / Pallet [lb]	Pallets / TL [ea]	Weight / TL [lb]
1,800	22	39,600

Code Evaluations

Certifying Body	Report ID	Compliance
IAPMO	ER-375	ICC-ES AC166
		2015, 2012, 2009 IBC
		2015, 2012, 2009 IRC
Texas Dept. of Insurance	RC-487	IBC/IRC with Texas Revisions
CCMC	14110-R	2015 National Building Code of Canada

Performance Properties

Description	Standard
Impact Resistance	UL 2218 Class 4
Gravity Load Resistance	ASTM E72
Weathering Resistance	IBC 1504.6 / ASTM G-154
Wind-Driven Rain	AC166 (Sec. 4.2)

Wind Resistance

Wind Uplift Resistance:

Fastening Method	MAXIMUM ALLOWABLE UPLIFT LOADS [psf]
No. 10 by 1 1/2-inch zinc-coated panhead screws one in each of the 4 holes along the panel fastening edge - 4 fasteners/panel	33 psf
No. 10 by 1 ¼-inch zinc-coated panhead screws 7 inches on center along the top fastening edge	42 psf

**Fire Resistance / Approved Systems**

ASTM E108 Class A:

<b>Assembly No. 1</b>	
ROOF DECK	Minimum 15/32" wood structural panels
BOTTOM LAYER	1/4" or 1/2" Georgia Pacific DensDeck
TOP LAYER (choose one):	CertainTeed WinterGuard® HT; or CertainTeed DiamondDeck®

ASTM E108 Class A:

<b>Assembly No. 2 / with UNDERLAYMENT</b>	
ROOF DECK	Minimum 15/32" wood structural panels
BOTTOM LAYER	GAF VersaShield
TOP LAYER (choose one):	CertainTeed WinterGuard® HT; or CertainTeed DiamondDeck®

ASTM E108 Class B:

<b>Assembly No. 3</b>	
ROOF DECK	Minimum 15/32" wood structural panels
TOP LAYER (choose one):	CertainTeed WinterGuard® HT; or CertainTeed DiamondDeck®; or All Weather Empire Base (CT); or GAF VersaShield

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

**Application Instructions**

Apply CertainTeed Matterhorn Shake following the method described in CertainTeed’s installation guide which can be found at 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 APA plywood or equivalent. CertainTeed WinterGuard HT, CertainTeed WinterGuard Metal or equivalent high temperature resistant self-adhering underlayment must be installed directly to the deck (or fire resistant barrier) 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.

**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 CertainTeed 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  $\Delta E$  (color difference) units, and all paint colors which are contained on the surface will not fade under normal weathering more than five (5) Hunter  $\Delta E$  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 CertainTeed shingles were originally installed. See actual Limited Warranty for full details.

CertainTeed 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.