

# Technical Data Sheet

## Highland Slate® Shingles



### PRODUCT INFORMATION

This shingle is especially designed for high performance. With blended shades and the dimensional appearance of natural slate, it also offers style and curb appeal at an affordable price. Featuring an oversized shingle, extra-heavy mat, and a technologically advanced sealant, Highland Slate is perfect for both residential and commercial applications and is warranted to withstand winds up to 110-mph (a category 2 hurricane).



Highland Slate shingles are algae resistant and help protect against staining or discoloration caused by algae.

**Colors:** Please refer to product brochure or CertainTeed website for the colors available in your region.

**Limitations:** Use on roofs with slopes 2" per foot or greater. Low slope applications (2" to 4" per foot) require additional underlayment. In areas where icing along the eaves can cause the back-up of water, apply CertainTeed WinterGuard® Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package. On slopes greater than 21" per foot, apply a spot of roofing cement under each shingle tab corner (eight total), according to application instructions provided on the shingle package.

**Product Composition:** Highland Slate shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. These fiber glass based shingles have two stripes of self-sealing adhesive.

### Applicable Standards:

ASTM D3018 Type I

ASTM D3462

ASTM E108 Class A Fire Resistance

ASTM D3161 Class F Wind Resistance

ASTM D7158 Class H Wind Resistance

UL 790 Class A Fire Resistance

ICC-ES ESR-1389 and ESR-3537

CSA Standard A123.5

Miami-Dade Product Control Approved

Florida Product Approval # FL5444

TDI Windstorm Resistance

### TECHNICAL DATA

Weights and Sizes:

Weight/Square (approx.): 240 lb.

Dimensions (overall): 18" x 36"

Shingles/Square: 50

Weather Exposure: 8"

### INSTALLATION

The following is a general summary of the installation methods. Detailed installation instructions are supplied on each bundle of Highland Slate shingles and must be followed. Separate application sheets may also be obtained from CertainTeed.

**Roof Deck Requirements:** Apply shingles to minimum 3/8" thick plywood, minimum 7/16" thick non-veneer (E.g. OSB), or minimum 1" thick (nominal) wood decks. The plywood or non-veneer decks must comply with the specifications of APA-The Engineered Wood Association.

**Ventilation:** Provisions for ventilation should meet or exceed current HUD Standards. To ensure adequate balance ventilation, use a combination of continuous ridge ventilation (using CertainTeed Ridge Vent products, or a comparable product with an external baffle) combined with soffit venting.

**Valleys:** Valley liner must be applied before shingles. The “Closed-Cut” valley application method is recommended, using CertainTeed WinterGuard Waterproofing Shingle Underlayment, or its equivalent, to line the valley prior to being fully covered by the shingles.

**Underlayment:** At standard slopes (4" per foot or greater) DiamondDeck® Synthetic Underlayment or a single layer of Roofers' Select® High-Performance shingle underlayment (or product meeting ASTM D 4869 or ASTM D6757) is recommended. Always ensure sufficient deck ventilation, and take particular care when DiamondDeck or other synthetic underlayment is installed. For UL fire rating, underlayment may be required. Corrosion-resistant drip edge is recommended and should be placed over the underlayment at the rake and beneath the underlayment at the eaves.

On low slopes (2" to 4" per foot), apply CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent, or two layers of 36" wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D 4869 or ASTM D 6757) lapped 19", over entire deck according to the application instructions provided with the product. When DiamondDeck is used, lap product at least 20". When WinterGuard is applied to the rake area, the drip edge may be installed under or over WinterGuard. At the eave, when WinterGuard does not overlap the gutter or fascia, the drip edge should be installed under WinterGuard. When WinterGuard overlaps the fascia or gutter, the drip edge or other metal must be installed over it.

**Fastening:** Five nails are required per shingle. They are to be located 9 3/8" above the bottom edge of the shingle, 1" in from each side of the shingle and above the cutouts. Nails must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads at the eaves. If Miami-Dade acceptance is desired, six nails must be used, located as shown in the NOA. Staples are not allowed.

On steep slopes greater than 21" per foot, use five nails and apply four spots of roofing cement according to application instructions provided on the shingle package.

**Application:** The recommended application method is the 4-1/2" Stepped-Off, Single Column Vertical Racking Method found on each bundle of shingles. These shingles may be used for new construction or in tear-off applications. Separate instructions are available for “Roof-Over” details. All shingles on the finished roof must be applied with five fasteners. The weather exposure of these shingles is 8".

**Flashing:** Use corrosion-resistant metal flashing. Please refer to illustration on our shingle packaging.

**Hips and Ridges:** Use CedarCrest® accessory shingles of a matching color for capping hips and ridges. As an alternative, Shangle Ridge® can be used for capping the hips and ridges.

## **MAINTENANCE**

Highland Slate shingles require virtually no maintenance when installed according to manufacturer's application instructions. However, to protect the investment, any roof should be routinely inspected at least once a year. Older roofs should be looked at more frequently.

#### **WARRANTY**

Highland Slate carries a lifetime limited transferable warranty against manufacturing defects to the consumer. In addition, Highland Slate also carries 10-year SureStart™ Protection and a 10-year Limited Wind Warranty up to 110-mph. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier, roofing contractor or on-line at [www.certainteed.com](http://www.certainteed.com) ).

#### **FOR MORE INFORMATION**

Sales Support Group: 800-233-8990

Web site: [www.certainteed.com](http://www.certainteed.com)

See us at our on-line specification writing tool, CertaSpec, at [www.certainteed.com/certaspec](http://www.certainteed.com/certaspec).

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