

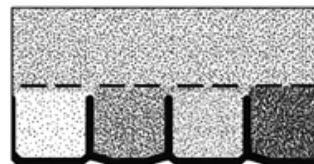
# Technical Data Sheet

## Centennial Slate™ Shingles



### PRODUCT INFORMATION

Centennial Slate™ shingles are built on CertainTeed's patented Super Shingle® design using two full-size base shingles, resulting in four full layers of shingle protection when applied. It features a unique appearance created by careful synchronization of colored surface granules. The accurate application of granules creates the rich look of traditional multi-colored slate roofing, while its one-piece construction offers the applicator greater ease of installation. Most importantly, its tough fiber glass composition makes Centennial Slate a durable, long-lasting shingle. It is designed to resist blow off in high wind conditions up to 110-mph.



Deep 8" tabs, distinctive shadow lines, and chamfered corners give Centennial Slate the appearance of a scallop-edged finish, creating a look reminiscent of the handcrafted slate roofs of yesteryear. These shingles are most aesthetically appealing when used on slopes of 9"per foot or greater. Centennial Slate shingles are algae (commonly called fungus) resistant and thus protect against staining or discoloration caused by algae.

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

**Limitations:** Use on roofs with slopes greater than 2" per foot. However, slopes greater than 9" per foot best show the product design. 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 four 1" diameter spots of asphalt roofing cement (ASTM D 4586) under the shingle, according to application instructions provided with the product and on the shingle package.

**Product Composition:** Centennial Slate shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. The two layers of base shingle are firmly adhered together with tough asphaltic cement. These fiber glass based shingles have self-sealing adhesive.

### Applicable Standards:

ASTM D 3018, Type 1  
ASTM D 3462  
ASTM E 108 Class A Fire Resistance  
ASTM D 3161-08b, Class "F" Wind Resistance (110-mph)  
ASTM D 3161-03b, Class "F" Wind Resistance (110-mph)  
ASTM D 3161-99a, 110-mph Wind Resistance  
ASTM D 7158 Class "H" Wind Resistance  
UL 2390/ASTM D6381 Class "H" Wind Resistance

UL 997 Wind Resistance  
UL 790 Class A Fire Resistance  
NYC-MEA-120-79-M  
ICC-ES Evaluation Report ESR-1389  
CSA Standard A123.5-98 (& -05)  
Miami-Dade Product Control Approved  
Florida Product Approvals # FL5444

### TECHNICAL DATA:

Weight/Square (approx.): 355 lb.  
Dimensions (overall): 18" x 36" (English)  
Shingles/Square: 50  
Weather Exposure: 8"

### INSTALLATION

Detailed installation instructions including diagrams are supplied on each bundle of Centennial Slate shingles, or separate application sheets may be obtained from CertainTeed. The following is a general

summary of the installation methods. NOTE - Refer to application instructions supplied with the shingles for further information and application procedure.

**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 best insure adequate ventilation, use a combination of continuous ridge ventilation (using Ridge FilterVent or Ridge Filter ShingleVent II, manufactured by Air Vent Inc, or a comparable product with an external baffle) combined with balanced soffit venting.

**Valleys:** Open valley is required. Valley liner must be applied before shingles. It must be minimum 18" wide 16 oz. copper, or its equivalent, installed over 36" wide self-adhering CertainTeed WinterGuard™ Waterproofing Shingle Underlayment (apply directly to deck), or applied over 36" wide mineral surfaced roll roofing. After WinterGuard has been applied, install the 16 oz. Copper, centered in the valley. For application of copper valley, use copper cleats or large head copper nails. Refer to the application instructions on our packaging for further information.

**Underlayment:** At standard slopes (4" per foot or greater) a single layer of Roofers' Select™ High-Performance shingle underlayment (or product meeting ASTM D 4869 or ASTM D 6757) is recommended. 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 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 5/8" above the cutouts (8-5/8" above the bottom edge of the shingle) and 1" in from each side of the shingle. Nails must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. For new construction, nails must never be less than 1-1/4" long, for roof-overs never less than 1-1/2" long, and for caps never less than 1-3/4" long. Nails are to be 11- or 12-gauge, corrosion-resistant roofing nails with 3/8" heads. For fastening of copper valley, use copper cleats or large head copper nails.

**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 for reroofing over one layer of old shingles, but due to the heavy weight of this shingle, it is important to determine that the roof deck is in satisfactory condition for the application of these shingles. Refer to product wrap for detailed reroofing limitations. 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 only Shingle Ridge Accessory shingles of the matching color for capping hips and ridges.

## **MAINTENANCE**

Centennial 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**

Centennial Slate shingles carry a lifetime limited transferable warranty against manufacturing defects for the original homeowner. In addition, Centennial Slate also carries 10-year SureStart Protection. 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

Website: [www.certainteed.com](http://www.certainteed.com)

See us in Sweets and ARCAT printed and electronic publications.

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**Technical Data Sheet (Continued)**

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