

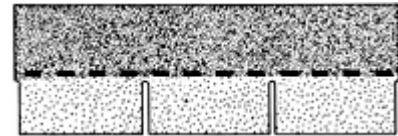
Technical Data Sheet

FIRESCREEN® Shingles



PRODUCT INFORMATION

CertainTeed offers a variety of three-tab shingle products that combine exceptional durability with flexibility for better resistance to blow-off. In addition to their suitability for residential applications, these products are ideal for commercial applications. Firescreen is available in "Metric" dimensions – 13-1/4" x 39-3/8".



Colors: Please refer to the product brochure for available colors.

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 a backup 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 1" diameter spot of asphalt roofing cement (ASTM D 4586) under each shingle tab corner according to application instructions provided on the shingle package.

Product Composition: These shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. These shingles have self-sealing adhesive. These are 3-tab shingles.

Applicable Standards:

ASTM D3018 Type I
ASTM E108 Class A Fire Resistance
ASTM D3161 Class A Wind Resistance
ASTM D7158 Class H Wind Resistance
UL 790 Class A Fire Resistance

Technical Data:

Weight/Square (approx.):	200 lb.
Dimensions (overall):	13-1/4" x 39-3/8"
Shingles/Square:	65
Weather Exposure:	5-5/8"

INSTALLATION

Detailed installation instructions including diagrams are supplied on each bundle of shingles, or separate application sheets may be obtained from CertainTeed. The following is a general summary of installation methods. NOTE - Refer to application instructions supplied with the shingles for further information and application procedures.

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 CertainTeed Ridge Vent products or a comparable product with an external baffle) combined with balanced 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:

On slopes 4" per foot or greater, CertainTeed recommends one layer of DiamondDeck® Synthetic Underlayment, or Roofers' Select™ High-Performance shingle underlayment, or shingle underlayment meeting ASTM D226, D4869 or ASTM D6757. 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. Follow manufacturer's application instructions.

On low slopes (2" up to 4" per foot), one layer of CertainTeed's WinterGuard Waterproofing Shingle Underlayment (or equivalent meeting ASTM D1970) or two layers of 36" wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D226, D4869 or ASTM D6757) lapped 19" must be applied over the entire roof, ensure sufficient deck ventilation. When DiamondDeck or other synthetic underlayment is installed, weather-lap at least 20" and ensure sufficient deck ventilation. 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. Follow manufacturer's application instructions.

Fastening: Four nails are required per shingle. They are to be located 1" and 13-1/8" in from each side of the shingle. They 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.

Steep Slopes: On steep slopes greater than 21" per foot, apply a 1" diameter spot of asphalt roofing cement (ASTM D 4586) under each shingle tab corner according to application instructions provided on the shingle package.

Application: The recommended application method is the Seven Course, 5-5/8" Stepped-Off Diagonal Method (Metric) found on each bundle of shingles. These shingles may also be applied using the Eight Course, 5" Stepped-Off Diagonal Method (Metric) or the Half-Tab Diagonal Method (Metric), instructions for which may be obtained from CertainTeed. These shingles may be used for new construction or for reroofing over old shingles.

Flashing: Use corrosion-resistant metal flashing.

Hips and Ridges: Use field shingles of a like color for capping hips and ridges.

MAINTENANCE

These shingles do not require 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

Firescreen shingles carry a 20 year limited warranty to the consumer against manufacturing defects. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier or roofing contractor).

FOR MORE INFORMATION

Web site: www.certainteed.com

See us at our on-line specification writing tool, CertaSpec, at www.certainteed.com/certaspec.

CertainTeed Roofing

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