

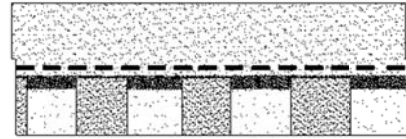
Technical Data Sheet

Patriot Shingles



PRODUCT INFORMATION

CertainTeed offers Patriot, a no cut-out strip shingle that combines exceptional durability with flexibility for better resistance to blow-off. It combines an intermittent shadow line with contrasting blend drops for sharp color definition. Available in metric dimensions – 13-1/4" x 39-3/8" (337 mm x 1000 mm) with 5-5/8" (143 mm) exposure.



No cut-out shingle.

This product is available as Algae Resistant (AR) in some sales regions. Algae resistant shingles help 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 (1:6). Low slope applications [2" to 4" per foot (1:6 to 1:3)] 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 (1.75:1), apply a spot of roofing cement 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. Patriot is a no cut-out strip shingle.

Applicable Standards:

ASTM D3462	CSA Standard A123.5
ASTM D3018 Type I	ICC-ES ESR-1389 & ESR-3537
ASTM E108 Class A Fire Resistance	Miami-Dade Product Control Approved
ASTM D3161 Class F Wind Resistance	Florida Product Approval # FL5444
ASTM D7158 Class H Wind Resistance	TDI Windstorm Resistance (Regional)
UL 790 Class A Fire Resistance	

Technical Data:

Weight/Square (approx.):	215 lb. (102 kg)
Dimensions (overall):	13-1/4" x 39-3/8" (337 mm x 1000 mm)
Shingles/Square:	65
Weather Exposure:	5-5/8" (143 mm)

INSTALLATION

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

Roof Deck Requirements: Apply shingles to minimum 3/8" (9.5 mm) thick plywood, minimum 7/16" (11 mm) thick non-veneer (E.g. OSB), or minimum 1" (25 mm) 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:

On slopes 4" per foot (1:3) or greater, CertainTeed recommends one layer of DiamondDeck® Synthetic Underlayment, or Roofers' Select® High-Performance shingle underlayment, or shingle underlayment meeting ASTM D226, ASTM 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 (1:6 to 1:3)], one layer of CertainTeed's WinterGuard Waterproofing Shingle Underlayment (or equivalent meeting ASTM D1970) or two layers of 36" (914 mm) wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D226, ASTM D4869 or ASTM D6757) lapped 19" (483 mm) must be applied over the entire roof, ensure sufficient deck ventilation. When DiamondDeck or other synthetic underlayment is installed, weather-lap at least 20" (508 mm) 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" (25 mm) and 13-1/8" (333 mm) in from each side of the shingle. They must be of sufficient length to penetrate into the deck 3/4" (19 mm) 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" (9.5 mm) heads.

On steep slopes greater than 21" per foot (1.75:1), apply a spot of roofing cement under each shingle tab corner and two additional spots located 13-1/8" (333 mm) in from each side of the shingle according to the application instructions provided on the shingle package.

Application: The recommended application method is the Seven Course, 5-5/8" (143 mm) Stepped-Off Diagonal Method found on each bundle of shingles. These shingles may also be applied using the 6-1/2" (165 mm) Stepped-Off Diagonal Method. These shingles may be used for new construction or for reroofing over old shingles.

Flashing: Use corrosion-resistant metal flashing.

Hips and Ridges: Use CertainTeed's Shadow Ridge® shingles, or Patriot cut into pieces, 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

Patriot shingles carry a 30-year limited transferable warranty to the consumer against manufacturing defects. These shingles carry 8-year SureStart™ protection, a 10-year 110-mph wind warranty, and if labeled “algae resistant” a 10-year algae resistant warranty. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier or roofing contractor).

FOR MORE INFORMATION

Sales Support Group: 800-233-8990

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

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