

Technical Data Sheet

Independence™ Shingles



PRODUCT INFORMATION

With random laminated tabs and a smooth surface blend, Independence masterfully captures the rich depth of wood shakes and the luxury look of slate. It will enhance virtually any roof design or architectural style.



Independence roofing shingles have the additional attribute of resisting the growth of algae, especially important in damp regions.

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. 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 according to application instructions provided with the product and on the shingle package.

Product Composition: Independence shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. The laminated tabs are firmly adhered in a special tough asphaltic cement. The fiber glass based Independence shingles have self-sealing adhesive.

Applicable Standards:

ASTM D3018, Type I

ASTM D3462

ASTM E108 Class A Fire Resistance

ASTM D3161 Wind Resistance

UL 790 Class A Fire Resistance

UL 997 Wind Resistance

NYC-MEA-120-79-M

ICC-ES Evaluation Report ESR-1389

CSA Standard A123.5-98 (& -05)

Ontario BMEC Auth. 97-10-219

UL 2218 Class 1 Impact Resistance

TECHNICAL DATA

Weight/Square (approx.):	300 lbs.
Dimensions (overall):	12" x 36"
Shingles/Square:	80
Weather Exposure:	5"

INSTALLATION

The following is a general summary of the installation methods. Detailed installation instructions are supplied on each bundle of Independence 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 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) and balanced soffit venting.

Valleys: Valley liner must be applied before shingles. The "Closed-Cut" valley application method is recommended, using CertainTeed's 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 located 5/8" above the top of each cutout and 1" and 12" in from each side of the shingle. They must be of sufficient length to penetrate into the deck 3/4" or through the decking thickness, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads.

To prevent slippage of the laminated tabs when shingles are applied to slopes exceeding 21" per foot or when individual shingles meet a wall or ridge at any slope, an additional fastener is to be horizontally centered on each laminated tab and placed within 1-1/2" of the upper edge of the shingle.

Application: The recommended application method is the 'Four-Course, 6" Stepped-Off, Diagonal Method' found on each bundle of shingles. These shingles may also be applied using the '5" Stepped-Off, Diagonal Method' (contact CertainTeed to obtain a copy). These shingles may be used for new construction or roofing over old shingles.

Flashing: Use corrosion-resistant metal flashing.

Hips and Ridges: Use CertainTeed's Shadow Ridge™ accessory roofing shingles of a like color for capping hips and ridges.

MAINTENANCE

Independence 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

Independence carries a lifetime limited transferable warranty against manufacturing defects and Independence 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).

FOR MORE INFORMATION

Sales Support Group: 800-233-8990

Web site: www.certainteed.com

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

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