

AMERICAN SHINGLES

a g r e a t d e s i g n a l t e r n a t i v e

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TECHNICAL DATA SHEET

INDEPENDENCE SHANGLE®

1. PRODUCT NAME:

Independence Shangle Roofing Shingles
Independence Shangle AR Roofing Shingles

2. MANUFACTURER:

CertainTeed Corporation
Roofing Products Group
750 E. Swedesford Road
P.O. Box 860
Valley Forge, PA 19482
www.certainteed.com

DISTRIBUTOR (Australia/Oceania/SE Asia):

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3. PRODUCT DESCRIPTION:

With random laminated tabs and a smooth surface blend, this shingle masterfully captures the rich depth of wood shakes and the luxury look of slate. It will enhance virtually any roof design or architectural style. Available in "English" dimensions – 305mm x 915mm (12" x 36")

Independence AR roofing shingles have the additional attribute of resisting the growth of algae (commonly called fungus), especially important in damp regions. AR shingles are not available in all regions.

Independence shingles are available in the following colours: Burnt Sienna, Charcoal Black, Colonial Slate, Cottage Red, Driftwood, Georgetown Grey, Hamilton Blue, Heather Blend, Hunter Green, and Weathered Wood. Colour and product availability can vary by region.

Use Shadow Ridge roofing shingles of a like colour for capping the hips and ridges. These accessory shingles do not have laminated tabs.

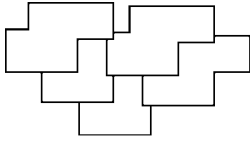
Limitations: Use on roofs with slopes greater than 9.5° (2" per foot). Low slope applications from 9.5° to 18.5° (2" to 4" per foot) require additional underlayment. In areas where icing along the eaves can cause the back up of water, apply CertainTeed WinterGuard™ Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

On slopes greater than 60° (21" per foot), apply a 25mm (1") spot of asphalt roofing cement (ASTM D 4586 Type II) under each shingle tab corner according to application instructions provided with the product and on the shingle package.

Composition and Materials: Independence shingles are composed of a fibreglass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. The laminated tabs are



Importers of quality roofing shingles, shakes and rainwater products



firmly adhered in with a special tough asphaltic cement. The fibreglass 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 Resistanc

4. TECHNICAL DATA:

Weight/square metre (approx.):	12.50kg/m ²	250 lbs/sq.
Dimensions (overall):	305mm x 915mm nominal	12" x 36"
Shingles/square metre:	8.61/m ²	80/square
Weather exposure:	127mm	5"

5. INSTALLATION:

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

Roof Deck Requirements: Apply shingles to A minimum 9.5mm (3/8") thick plywood, minimum 12mm nominal (7/16") thick non-veneer, or minimum 25mm nominal (1" nominal) thick wood decks. The plywood or non-veneer decks must comply with the specifications of the APA -The Engineered Wood Association.

Ventilation: Provisions for ventilation should meet or exceed current US HUD Standards. To best insure adequate ventilation, use a combination of continuous ridge ventilation (using a product such as Ridge FilterVent or Ridge Filter ShingleVent II, manufactured by Air Vent Inc.) and balanced soffit venting at the eaves.

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 of 18.5° (4" per foot) or greater, a single layer of Roofers' Select™ High-Performance shingle underlayment (or product meeting ASTM D4869 or ASTM D6757) 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 from 9.5° to 18.5° (2" to 4" per foot), apply CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent, or two layers of 915mm (36") wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D 4869 or ASTM D6757) lapped 483mm (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 eaves, when WinterGuard does not overlap the gutter or fascia, the drip edge must be installed under WinterGuard. When WinterGuard overlaps the fascia or gutter, the drip edge or other metal must be installed over it.

Fastening: Four nails are required per shingle. They are located 16mm (5/8") above the top of each cutout and 25mm (1") and 305mm (12") in from each side of the shingle. They must be of sufficient length to penetrate into the deck 19mm (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 minimum 9.5mm diameter (3/8") flat heads.

To prevent slippage of the laminated tabs when shingles are applied to slopes exceeding 60° (21" per foot) or when individual shingles meet a wall or ridge at any slope, an additional fastener is to be horizontally centred on each laminated tab and placed within 38mm (1-1/2") of the upper edge of the shingle.



