

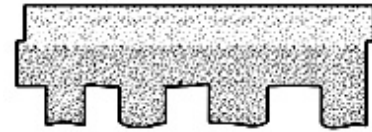
# Technical Data Sheet

## Presidential Shake™ IR (Impact Resistant)



### PRODUCT INFORMATION

Presidential Shake IR is made of two laminated layers of the industry's most durable materials. And, with a super tough reinforcement added to its back surface, it has an extra level of impact resistance—so much so that it can withstand the force of a two-inch steel ball dropped from twenty feet without cracking. The shades, textures, sculpted edges and staggered design all combine to give a roof the charm and beauty of authentic wood shakes at a fraction of the cost.



Presidential Shake IR shingles are algae resistant and 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:** It is recommended to apply these shingles at slopes of 4" per foot slope and greater in order to achieve optimum appearance. For low slope applications (2" up to 4" per foot) of Presidential Shake IR shingles apply CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent meeting ASTM D1970, or two layers of 36" wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D4869 or ASTM D6757) lapped 19", over entire deck according to the application instructions provided with the product. In areas where icing along the eaves can cause the back-up of water (all slopes), apply WinterGuard, or its equivalent, according to application instructions provided with the product and on the shingle package. For Class 4 impact resistance, Presidential Shake IR (Impact Resistant) shingles must be applied according to the instructions indicated below, in a new roof or tear-off application, and *not* by "roofing-over" existing shingles.

On slopes greater than 21" per foot, use nine nails and apply 1" diameter spots of asphalt roofing cement (ASTM D4586 Type II) under each shingle tab, according to application instructions provided with the product and the shingle package.

**Product Composition:** Presidential Shake IR shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. The laminated pieces are firmly adhered in a special tough asphaltic cement. The back surface contains a puncture resistant fiber glass scrim. These fiber glass based shingles have self-sealing adhesive applied.

### Applicable Standards:

ASTM D3018, Type I  
ASTM D3462  
ASTM E108 Class A Fire Resistance  
ASTM D3161 Class F Wind Resistance  
ASTM D 7158 Class H Wind Resistance  
UL 2390/ASTM D6381 Class H Wind Resistance  
UL 790 Class A Fire Resistance  
UL 997 Wind Resistance

UL 2218 Class 4 Impact 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 Approval # FL5444  
TDI Windstorm Resistance

### Technical Data:

Weight/Square (approx.):	355 lb
Dimensions (overall):	14 1/4" x 40"
Shingles/Square:	90
Weather Exposure:	4"

### Presidential Shake IR

## INSTALLATION

Detailed installation instructions including diagrams are supplied on each bundle of Presidential Shake IR 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.

**IMPORTANT NOTE** - Presidential Starter IR must be used for the two-layered starter course.

**Roof Deck Requirements:** Apply shingles to minimum 3/8" thick plywood, minimum 7/16" thick non-veneer, 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 ensure 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:** Open valley is recommended. 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. Closed-Cut valley application is an acceptable alternate, provided the shingles are not damaged while being formed into place. Refer to the application instructions on the shingle packaging for further information.

### 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.

**Standard Fastening:** For slopes of 21" per foot or less, five fasteners are required per shingle. Fasteners are to be located on the nailing guide line, 9" above the lowermost edge of the shingle, two located 1 to 1-1/2" in from each edge and the remaining three evenly spaced between (about 9" to 10" apart). Fasteners must be of sufficient length to penetrate into the deck 3/4" into 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 Slope Fastening:** For roof slopes greater than 21" per foot, nine fasteners are required per shingle. After applying 5 nails in nailing guideline, apply 4 nails 1" above tab cutouts, making certain tabs of overlying shingle covers nails. Also at slopes greater than 21" per foot, apply 1" diameter spots of asphalt roofing cement (ASTM D4586 Type II) under each shingle tab, according to application instructions provided for the product and on the shingle package.

**Standard Application:** Presidential Starter IR must be used for the two-layered starter course. The required application method is the 5" & 15" Offset, Four-Course, Diagonal Method found on each bundle of shingles. These shingles may be used for new construction or for reroofing after tear-off. For Class 4 impact resistance, Presidential Shake IR (Impact Resistant) shingles must be applied according to the instructions indicated above, in a new roof or tear-off application, and *not* by "roofing-over" existing shingles. All shingles on the finished roof must be applied with five fasteners. Always cut shingles from the left edge.

**Flashing:** Use corrosion-resistant metal flashing. Please refer to illustration on our shingle packaging.

**Hips and Ridges:** Use only Presidential Accessory IR or Cedar Crest IR shingles of a like color for capping the hips and ridges.

#### **MAINTENANCE**

Presidential Shake IR 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**

Presidential Shake IR carries a lifetime limited transferable warranty against manufacturing defects for the original homeowner. In addition, the shingles also carry 10-years of 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

Web site: [www.certainteed.com](http://www.certainteed.com)

See us at our on-line specification writing tool, CertaSpec, at [www.certainteed.com/certaspec](http://www.certainteed.com/certaspec).

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