

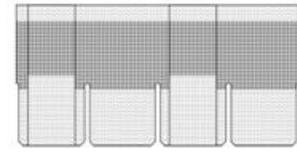
Technical Data Sheet

Belmont® IR (Impact Resistant) Shingles



PRODUCT INFORMATION

Belmont Impact Resistant (IR) shingles reflect the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products, and they meet UL 2218 Class 4 Impact Resistance at time of manufacture. Belmont IR shingles are built on the industry's toughest fiber glass mat base, and have an added durable reinforcement on its underside to achieve the highest (Class 4) impact resistance. Belmont IR shingles are asphalt shingles designed to look like natural slate, composed of a base shingle with random tabs on the top, giving an authentic, natural look with true depth and dimension. It is most aesthetically appealing when used on slopes of 9" per foot or greater. When applied with underlayment, Belmont IR produces at least two layers of roof protection and the quality is reminiscent of handcrafted workmanship. It is designed to resist blow off in high wind conditions utilizing two rows of technologically advanced sealant on the back-side of the shingle. Belmont IR has a wind resistance up to 110-mph with normal installation and 130-mph with special installation.



Belmont IR shingles are algae (commonly called fungus) resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae.

Colors: Please refer to the product brochure or CertainTeed website for the colors available in your region.

Limitations: Use on roofs with slopes 2" per foot or greater. However, slopes greater than 9" per foot best show the product design. 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 eight spots of roofing cement under the shingle and one additional fastener in each laminated tab according to application instructions provided on the shingle package.

Product Composition: Belmont 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 tabs are firmly adhered in a special tough asphaltic cement. 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 D7158 Class H Wind Resistance

UL 790 Class A Fire Resistance

UL 2218 Class 4 Impact Resistance

CSA Standard A123.5

ICC-ES ESR-1389

Meets TDI Requirements

TECHNICAL DATA

Weight/Square (approx.):

275 lb.

Dimensions (overall):

18" x 36"

4 bundles of 12 shingles:

48 shingles covers 96 sq. ft.

Shingles/100 sq. ft.:

50 (4.167 bundles)

Weather Exposure:

8"

INSTALLATION

The following is a general summary of the installation methods. Detailed installation instructions are supplied on each bundle of Belmont IR 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 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: Closed cut valleys are recommended, using CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent to line the valley prior to being fully covered by the shingles. Valley liner must be applied before shingles.

If open metal valleys are used, 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. 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® or RoofRunner™ Synthetic Underlayments, 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, RoofRunner 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 asphalt saturated 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, RoofRunner 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: Five nails are required per shingle. They are to be located 5/8" above the cutouts (8-5/8" above the bottom edge of the shingle) and 1" in from each side of the shingle. Nails must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. For new construction, nails must be at least 1-1/4" long, for reroofing never less than 1-3/4" long, and for hip and ridge caps a minimum of 1-3/4" long. Nails are to be 11- or 12-gauge, corrosion-resistant roofing nails with 3/8" heads.

On steep slopes greater than 21" per foot, use seven nails and apply eight spots of roofing cement according to application instructions provided on the shingle package. To prevent slippage of the laminated tabs on steep slopes or when individual shingles meet a wall or ridge at any slope, the two additional fasteners are 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 4-1/2" Stepped-Off, Single Column Vertical-Racking Method found on each bundle of shingles. For Class 4 impact resistance, Belmont IR shingles must be applied according to the instructions indicated above and on the wrap, in a new roof or tear-off application, and not by "roofing-over" existing shingles. These shingles may be used for new construction, but due to the heavy weight of this shingle, it is important to determine that the roof deck is in satisfactory condition for the application of these shingles. Refer to product wrap for detailed reroofing limitations. All shingles on the finished roof must be applied with five fasteners. The weather exposure of these shingles is 8".

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

Hips and Ridges: Use Cedar Crest® IR accessory shingles of a like color for capping hips and ridges.

MAINTENANCE

Belmont 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

Belmont IR carries a lifetime limited transferable warranty against manufacturing defects to the original homeowner. In addition, Belmont IR 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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