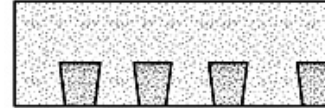


Landmark™ TL (Impact Resistant) Shingles

PRODUCT INFORMATION

The Landmark TL (Impact Resistant) shingles are constructed using three laminated layers of the industry's most durable materials, providing a dramatically thick roofing product styled with the classic appeal of wood shakes. In addition, they meet UL 2218 Class 4 Impact Resistance at time of manufacture. Landmark TL (Impact Resistant) shingles are built on the industry's toughest fiber glass mat base, and have an even tougher glass scrim reinforcement to help it achieve the highest (Class 4) impact resistance. The overall dimensions of this shingle are 13 1/4" x 40". It is designed to resist blow off in high wind conditions up to 110-mph.



Landmark TL (Impact Resistant) shingles are also algae resistant and thus 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 and greater in order to achieve optimum appearance. Low slope applications (2" up to 4" per foot) require CertainTeed's WinterGuard™ Waterproofing Shingle Underlayment, or its equivalent meeting ASTM D1970, to be applied to the entire deck surface, according to application instructions provided with the product and on the shingle package. 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, Landmark TL (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.

Product Composition: Landmark TL (Impact Resistant) shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. The backer shim contains a puncture resistant fiber glass scrim. Three pieces of the shingle are firmly laminated together in special tough asphaltic cement. All Landmark TL (Impact Resistant) shingles have self-sealing adhesive strips.

Applicable Standards:

ASTM E 108 Fire Resistance: Class A

ASTM D 3018 Type I

ASTM D 3462

ASTM D 3161-08b, Class "F" Wind Resistance (110-mph)

ASTM D 3161-03b, Class "F" Wind Resistance (110-mph)

ASTM D 3161-99a, 110-mph Wind Resistance

ASTM D 7158 Class "H" Wind Resistance

UL 2390/ASTM D6381 Class "H" Wind Resistance

UL 790 Fire Resistance: Class A

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 Approvals # FL5444

Technical Data:

Weight/Square (approx.): 340 lbs.

Dimensions (overall): 13 1/4" x 40"

Shingles/Square: 64

Weather Exposure: 5-5/8"

Technical Data Sheet (Continued)

Landmark TL IR Shingles

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INSTALLATION

Installation instructions, including diagrams, are supplied on each bundle of Landmark TL (Impact Resistant) shingles, or separate application sheets may be obtained from CertainTeed. 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 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: Open valley is strongly 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's 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: At standard slopes (4" per foot or greater) a single layer of Roofers' Select™ High-Performance shingle underlayment (or product meeting ASTM D 4869 or ASTM D 6757) 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.

Low Slope Underlayment: On low slopes (2" to 4" per foot), CertainTeed's WinterGuard™ Waterproofing Shingle Underlayment, or equivalent self-adhering underlayment meeting ASTM D1970, must be applied to the entire deck surface, according to application instructions provided with the product and on the shingle package. 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.

Fastening: Four nails are required per shingle. Nails must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. They must be placed between the nail lines marked on the shingle. Fasteners are to be located 1" and 13 1/2" in from each side of the shingles (see instructions on product wraps). Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads.

On slopes greater than 21" per foot, fasten each shingle with six nails and apply four 1" diameter spots of asphalt roofing cement (ASTM D 4586) placed under each shingle according to application instructions provided on the shingle package.

Application: The recommended application method is the 'Five-Course Diagonal Method (Metric)' found on each bundle of shingles. In this method, shingle course offsets are 6" and 11". Instructions also may be obtained from CertainTeed. For Class 4 impact resistance, Landmark TL (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.

Flashing: Use corrosion-resistant metal flashing.

Hips and Ridges: Use CertainTeed's XT30 IR UL 2218 Class 4 impact resistant roofing shingles of the same color for capping hips and ridges.

Technical Data Sheet (Continued)

Landmark TL IR Shingles

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MAINTENANCE

Landmark TL (Impact Resistant) 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

Landmark TL (Impact Resistant) shingles carry a lifetime limited, transferable warranty to the consumer against manufacturing defects. In addition, all Landmark TL (Impact Resistant) shingles carry 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 in Sweets and ARCAT printed and electronic publications

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