



## Technical Information

The Landmark series reflects the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products. Landmark shingles are built with the industry's toughest fiber glass mat base, and their strict dimensional tolerance assures consistency. Complex granule colour blends and subtle shadow lines produce a distinctive colour selection.

Landmark is produced with the new nailing feature WideTrack QB this allows greater accuracy for fixings.

### Limitations

Use on roofs with slopes greater than 10°. Low-slope applications (10–18°) require additional underlayment. In areas where icing along eaves can cause the back-up of water, apply Viking Peel & Stick Waterproofing Shingle Underlayment according to application instructions provided with the product and on the shingle package.

### Product Composition

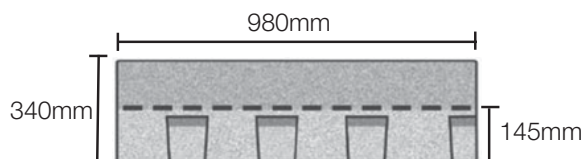
Landmark Series shingles are composed of fibreglass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water resistant asphalt. Two pieces of the shingle are firmly laminated together in a special tough asphaltic cement. All Landmark shingles have self-sealing adhesive strips.

### Technical Data

Weight/Square (approx)	11kg/m <sup>2</sup>
Dimensions (overall)	340mm x 980mm
Weather Exposure	145mm

### Applicable Standards

- ASTM D 3018 Type 1
- ASTM D 3462
- ASTM E 108 Fire Resistance: Class A
- ASTM D 3161 Class F Wind Resistance
- UL 790 Fire Resistance: Class A
- UL 997 Wind Resistance
- NTC-MEA-120-79-M
- BOCA & SBCCI Building Code
- ICC/ICBO Evaluation Report ER-5429 Pending
- CSA Standard A123.5-98
- Ontario BMEC Auth. 97-10-219
- Miami-Dade Product Control Acceptance (Regionally)
- BRANZ Appraisal Certificate No 276



## Installation

Installation instructions, including diagrams, are supplied on each bundle of Landmark series shingles, or separate Installation guides can be obtained by contacting Viking Roofspec.

### Roof Deck Requirements

Apply shingles to minimum 15mm thick plywood, or 16.3mm H3.1 treated Superstrand Sarking. Please see individual suppliers technical information for up to date specification.

### Ventilation

To best ensure adequate ventilation, use a combination of continuous ridge ventilation (ShingleVent II), incorporating an external baffle, and balanced drip edge ventilation.

### Valleys

Valley liner must be applied before shingles. The closed-cut valley application method is recommended using Viking Peel & Stick Waterproofing Underlayment or two to three layers of underlayment to line the valley prior to being fully covered by the shingles.

### Underlayment

At standard slopes (18° or greater) a single layer of 15w High-Performance shingle underlayment (or product meeting ASTM D 4869 or ASTM D 6757) is recommended. 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 (10-18°) apply Viking Peel & Stick Waterproofing Shingle Underlayment or two layers of 900mm wide felt shingle underlayment lapped 450mm, over entire deck according to the application instructions provided with the product. When Peel & Stick is applied to the rake area, the drip edge may be installed under or over membrane. At the eave, the Peel & Stick is to be installed over the flashing..

### Fastening

On low and standard slopes, four nails are required per shingle. Position nails vertically between the upper and lower nailing-guide lines. For low and standard slopes it is acceptable to nail between either the middle and lower lines or between the upper and middle lines. Nails must be of sufficient length to penetrate into the deck 20mm or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 9mm heads. For high corrosion zones eg. coastal we recommend stainless steel nails to be used.

### Steep Slopes (All versions of Landmark)

On slopes greater than 60°, fasten each shingle with 6 nails and four 25mm diameter spots of Viking Roofspec roofing cement (ASTM D 4586, Type II) placed under each shingle according to application instructions provided on the shingle package. Fasteners must penetrate the twolayer common bond area, also illustrated on the shingle package.

### Application (Metric-Sized Shingles)

The recommended application method is the Five Course, Diagonal Method (Metric) found on each bundle of shingles. In this method, shingle course offsets are 135mm. These shingles may be used for new construction or for re-roofing over old metric sized shingles.(Special conditions apply)

### Flashing

Use corrosion-resistant metal flashing.

### Hips and Ridges

Use CertainTeed's Shadow Ridge, accessory roofing shingles of a like colour for capping hips and ridges.

### Maintenance

Landmark series 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.

*NOTE – Refer to application instructions supplied with the shingles for further information and procedures.*