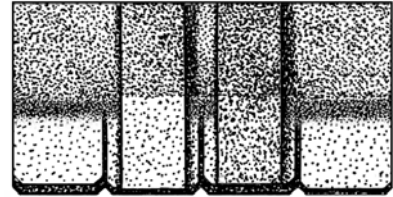


Technical Data Sheet

Grand Manor Shingles

PRODUCT INFORMATION

This product is the super heavyweight of laminated shingles. The difference is in the size and quality built-in by design. An 8" tab area, complete with two full-sized one-piece base shingles with random tabs and accented by shadow lines, gives an authentic, natural look with true depth and dimension. They are most aesthetically appealing when used on slopes of 9" per foot or greater. When applied, Grand Manor produces five layers of roof protection and the quality is reminiscent of handcrafted workmanship. It is designed to resist blow off in high wind conditions up to 110-mph.



Grand Manor Shingle shingles are algae (commonly called fungus) 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: Use on roofs with slopes greater than 2" per foot. 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 three 1" diameter spots of asphalt roofing cement (ASTM D 4586) under the shingle and an additional fastener in each laminated tab according to application instructions provided with the product and the shingle package.

Product Composition: Grand Manor 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 D 3018, Type 1

ASTM D 3462

ASTM E 108 Class A Fire Resistance

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 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

Miami-Dade Product Control Approved

Florida Product Approvals # FL5444

UL 2218 Class 2 Impact Resistance

TECHNICAL DATA

Weight/Square (approx.): 425 lbs.

Dimensions (overall): 18" x 36" (English)

Shingles/Square: 50

Weather Exposure: 8"

INSTALLATION

Detailed installation instructions including diagrams are supplied on each bundle of Grand Manor 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.

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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 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 required. 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. 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.

On low slopes (2" to 4" per foot), apply CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent, or two layers of 36" wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D 4869 or ASTM D 6757) lapped 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 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: 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 never be less than 1-1/2" long, for reroofing never less than 1-3/4" long, and for 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 three 1" diameter size spots of asphalt roofing cement (ASTM D 4586) 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. These shingles may be used for new construction or for reroofing over one layer of old shingles, 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".

Special Application: CertainTeed Carriage House Shingle shingles can be blended into a CertainTeed Grand Manor Shingle roof to achieve a unique and distinctive appearance. A common application method uses several courses of Carriage House Shingle in the middle of a Grand Manor roof. Other aesthetically appealing applications are possible using Grand Manor and Carriage House Shingle shingles. Contact CertainTeed for more information.

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

Hips and Ridges: Use only Shangle Ridge Accessory shingles of the matching color for capping hips and ridges.

MAINTENANCE

Grand Manor 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

Grand Manor Shangle carries a lifetime limited transferable warranty against manufacturing defects for the original homeowner. In addition, Grand Manor 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 in Sweets and ARCAT printed and electronic publications

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