

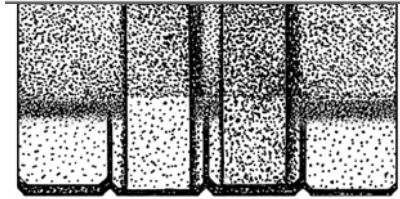
Technical Data Sheet

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 with underlayment, Grand Manor produces at least 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 with normal installation and 130-mph with special installation.



Grand Manor 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 three spots of roofing cement under the shingle and an additional fastener in each laminated tab according to application instructions provided on 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 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

ICC-ES ESR-1389 and ESR-3537

CSA Standard A123.5

Miami-Dade Product Control Approved

Florida Product Approval # FL5444

TDI Windstorm Resistance

TECHNICAL DATA

Weight/Square (approx.):	425 lb.
Dimensions (overall):	18" x 36"
Shingles/Square:	50
Weather Exposure:	8"

INSTALLATION

The following is a general summary of the installation methods. Detailed installation instructions are supplied on each bundle of Grand Manor 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: 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:

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.

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. If Miami-Dade acceptance is desired, six nails must be used, located as shown in the NOA. Staples are not allowed.

On steep slopes greater than 21" per foot, use seven nails and apply three 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. 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® shingles can be blended into a CertainTeed Grand Manor roof to achieve a unique and distinctive appearance. A common application method uses several courses of Carriage House in the middle of a Grand Manor roof. Other aesthetically appealing applications are possible using Grand Manor and Carriage House shingles. Contact CertainTeed for more information.

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

Hips and Ridges: Use only Shingle 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 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 at our on-line specification writing tool, CertaSpec, at www.certainteed.com/certaspec.

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