

AMERICAN SHINGLES

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AMERICAN SHINGLES PTY LIMITED

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TECHNICAL DATA SHEET

CARRIAGE HOUSE™

1. PRODUCT NAME:

Carriage House Shangle Roofing Shingles
Carriage House Shangle AR Roofing Shingles

2. MANUFACTURER:

CertainTeed Corporation
Roofing Products Group
750 E. Swedesford Road
P.O. Box 860
Valley Forge, PA 19482
www.certainteed.com

DISTRIBUTOR (Australia/Oceania/SE Asia):

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3. PRODUCT DESCRIPTION:

Carriage House is built on CertainTeed's exclusive Super Shangle design using two full-size base shingles, resulting in four full layers of shingle protection when applied. Moreover, this one-piece construction offers the applicator greater ease of installation. Most importantly, its tough fibreglass composition makes Carriage House a durable, long-lasting shingle. It is designed to resist blow off in high wind conditions up to 175km/h.

Deep 203mm (8") tabs, distinctive shadow lines, and chamfered corners give Carriage House the appearance of a scallop-edged finish, creating a look reminiscent of the handcrafted slate roofs of yesteryear. These shingles are most aesthetically appealing when used on slopes of 35° (9" per foot) or greater.

Carriage House shingles are algae (commonly called fungus) resistant and thus protect against staining or discoloration caused by algae.

Carriage House shingles are available in the following colours: Black Pearl, Brownstone, Colonial Slate, Gatehouse Slate, Georgian Brick, Sherwood Forest, Stonegate Grey and Victorian Blue.

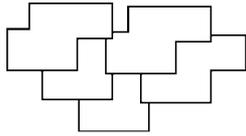
Pre-cut Grand Manor Shangle/Carriage House Shangle Accessory roofing shingles of the matching colour are to be used for capping the hips and ridges. These accessory shingles are two layers adhered together.

Limitations: Use on roofs with slopes greater than 9.5° (2" per foot). However, slopes greater than 35 degrees (9" per foot) best show the product design. Low slope applications 9.5° to 18.5° (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 60° (21" per foot), apply four 25mm (1") diameter spots of asphalt roofing cement (ASTM D 4586, Type II) under the shingle, according to application instructions provided with the product and on the shingle package.



Importers of quality roofing shingles, shakes and rainwater products



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Composition and Materials: Carriage House shingles are composed of a fiberglass 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 fiberglass-based shingles have self-sealing adhesive.

Applicable Standards:

| | |
|------------------------------------|---------------------------------------|
| ASTM D 3018, Type 1 | NYC-MEA-120-79-M |
| ASTM D 3462 | BOCA & SBCCI Building Codes |
| ASTM E 108 Fire Resistance | CSA Standard A123.5-98 |
| ASTM D 3161 Type I Wind Resistance | Ontario BMEC Auth. 97-10-219 |
| UL 790 Fire Resistance | Miami-Dade Product Control Acceptance |
| UL 997 Wind Resistance | |

4. TECHNICAL DATA:

| | | |
|--------------------------------|------------------------|-------------|
| Weight/square metre (approx.): | 17.33kg/m ² | 355 lbs/sq. |
| Dimensions (overall): | 457mm x 915mm nominal | 18" x 36" |
| Shingles/square metre: | 5.38/m ² | 50/square |
| Weather exposure: | 203mm | 8" |

5. INSTALLATION:

Detailed installation instructions including diagrams are supplied on each bundle of Carriage House 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.

Roof Deck Requirements: Apply shingles to minimum 9.5mm (3/8") thick plywood, minimum 12mm nominal (7/16") thick non-veneer (e.g.OSB), or minimum 25mm nominal (1") thick 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 US HUD Standards. To best insure adequate ventilation, use a combination of continuous ridge ventilation (using a product such as Ridge FilterVent or Ridge Filter ShingleVent II, manufactured by Air Vent Inc., a CertainTeed subsidiary) combined with balanced soffit venting.

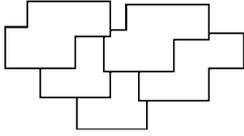
Valleys: Open valley is required. Valley liner must be applied before shingles. It must be minimum 457mm (18") wide 16 oz. copper, or its equivalent, installed over 915mm (36") wide self-adhering CertainTeed WinterGuard™ Waterproofing Shingle Underlayment (apply directly to deck), or applied over 915mm (36") wide mineral surfaced roll roofing. After WinterGuard has been applied, install the 16 oz. copper centred in the valley. Refer to the application instructions on our packaging for further information.

Underlayment: At standard slopes of 18.5° (4" per foot or greater) a single layer of Roofers' Select™ High-Performance shingle underlayment (or product meeting ASTM D 4869) 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 from 9.5° to 18.5° (2" to 4" per foot), apply CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent, or two layers of 915mm (36") wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D 4869) lapped 483mm (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 must 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 16mm (5/8") above the cutouts 219mm (8-5/8") above the bottom edge of the shingle) and 25mm (1") in from each side of the shingle. Nails must be of sufficient length to penetrate into the deck 19mm (3/4") or through the thickness of the decking, whichever is less. For new





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construction, nails must never be less than 38mm (1-1/2") long, for re-roofing never less than 45mm (1-3/4") long, and for caps a minimum of 45mm (1-3/4") long. Nails are to be 11- or 12-gauge, corrosion-resistant roofing nails with 9.5mm diameter (3/8") heads. For fastening of copper valley, use copper cleats or large head copper nails.

Application: The recommended application method is the 4½" Stepped-Off, Single Column Vertical-Racking Method found on each bundle of shingles. These shingles may be used for new construction or for re-roofing 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 re-roofing limitations. All shingles on the finished roof must be applied with five fasteners. The weather exposure of these shingles is 203mm (8"). An alternate application method is the 'Six-Course, 4½" Stepped-Off, Diagonal Method'. Contact CertainTeed for a copy of this application method.

Special Application: 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.

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

Hips and Ridges: Use only Grand Manor Shingle/Carriage House Shingle Accessory shingles of the matching colour for capping the hips and ridges.

6. AVAILABILITY AND COST:

Contact **American Shingles** for current pricing and supply information for Australia, Oceania & SE Asia regions.

7. WARRANTY:

Carriage House Shingle[®] shingles carries a 50 year limited transferable warranty against manufacturing defects for the original homeowner. For specific warranty details and limitations, refer to the 2014 International Limited Warranty (available from **American Shingles** or by writing to CertainTeed Corporation).

8. MAINTENANCE:

Carriage House shingles requires 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.

9. TECHNICAL SERVICES:

Complete technical support and assistance are available through **American Shingles** via the fully staffed and equipped Research and Development facility in Blue Bell, Philadelphia.

For additional information and literature contact **American Shingles 1300 131 881 Facsimile 1300 731 881**
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