

AMERICAN SHINGLES

a g r e a t d e s i g n a l t e r n a t i v e

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TECHNICAL DATA SHEET

WinterGuard™

1. PRODUCT NAME:

WINTERGUARD™ Waterproofing Underlayment

WinterGuard™ HT High Temp/High Tack Waterproofing Underlayment

WinterGuard™ Sand Waterproofing Shingle Underlayment

WinterGuard™ Granular Waterproofing Shingle Underlayment

Note: Reference to "WinterGuard" without specific reference to HT, Sand or Granular relates to all three products.

2. MANUFACTURER:

CertainTeed Corporation
Roofing Products Group
750 E. Swedesford Road
P.O. Box 860
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www.certainteed.com

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3. PRODUCT DESCRIPTION:

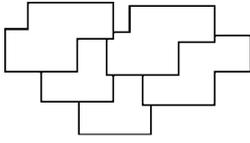
Basic Use: WinterGuard products are most commonly used in critical areas such as roof eaves, valleys, and as a waterproofing underlayment for low-slope shingle, metal, slate, and tile roofing applications. WinterGuard HT (High Tack, High Temperature) is an advanced waterproofing underlayment for shingle, metal, slate and tile roofs. It is specially formulated to resist high roof temperatures under metal roofs. WinterGuard Sand and Granular underlayments are designed for use on roof decks as a waterproofing barrier beneath shingle, slate and tile roofs to prevent leakage due to water back-up from ice dams or wind-driven rain.

Limitations:

- Do not expose WinterGuard permanently to sunlight. Cover WinterGuard as soon as possible with a permanent roof surface. The maximum exposure time is three months.
- WinterGuard will not adhere to wet or cold surfaces. Refer to instructions on the carton for additional nailing and sealing instructions.
- Do not apply WinterGuard over shingles or underlayment of any sort.
- WinterGuard is a vapour barrier. Therefore, if WinterGuard is applied over a majority of the roof deck, proper deck ventilation must be provided.
- If WinterGuard must contact sealants or cements, use solvent-based products sparingly, following manufacturer's instructions carefully. Excessive use of solvent-based adhesives can damage WinterGuard's polymer modified asphalt coating. Do not use silicone-based sealants, as they do not maintain adequate long term adhesion to asphalt.
- Low-slope application: WinterGuard HT can be applied beneath shingles, slate and tile to acceptable decks with slopes of 9.5° or greater and beneath metal to acceptable decks with slopes of 2° or greater. WinterGuard Sand and Granular products can be applied beneath shingles, slate and tile to acceptable roof decks with slopes of 9.5° or greater. See grid below for minimum allowable pitches/slopes.
- WinterGuard HT is specially designed to withstand temperatures up to 121 degrees Celsius.
- WinterGuard may become slippery under certain weather conditions. When this occurs, avoid walking or crawling on the product.



Importers of quality roofing shingles, shakes and rainwater products



WinterGuard- Minimum Allowable application Slopes/Pitches

Applied Beneath:	WinterGuard HT	WinterGuard Sand	WinterGuard Granular
Shingles:	9.5°	9.5°	9.5°
Metal:	2°	Not Recommended	Not Recommended
Tile:	9.5°	9.5°	9.5°
Slate:	9.5°	9.5°	9.5°

Applicable Standards:

ASTM D 1970

UL 790: Classified for use as underlayment beneath Class A, B, or C fire rated shingle systems

ICC/SBCCI ER-2024B

Florida Certificate of Product Approval # FL3455

Composition and Materials: WinterGuard is a self-adhering waterproofing membrane composed of a tough reinforcement that is impregnated and coated with rubberised asphalt. WinterGuard is available in three finishes: sand, granular, and film. WinterGuard Sand and Granular have top surfaces consisting of mineral matter (sand or granules) to enhance traction during application. WinterGuard HT has a tough, tear resistant film on its top surface that won't scratch metal roofing applied over it. The adhesive bottom surface of all WinterGuard products is protected with a disposable silicone-coated release film, which is split longitudinally down the middle for easier application

4. TECHNICAL DATA:

WinterGuard Products by Surface.

	Sand (Short)	Sand	Granular	HT Film (Short)	HT Film
Roll Area	9m ²	18m ²	18m ²	9m ²	18m ²
Roll Length	9.8m	19.7m	19.7m	9.8m	19.7m
Roll Width	915mm	915mm	915mm	915mm	915mm
Side Laps	150mm	150mm	100mm	100mm	100mm
End Laps	150mm	150mm	150mm	150mm	150mm
Shipping Weight	16kg	31kg	32kg	13kg	25kg
Packaging (rolls/ctn)	1	1	1	1	1
Packaging (ctns/pallet)	30	20	20	30	20

5. INSTALLATION:

Storage: Store WinterGuard rolls in their packaging in a dry, protected area at a temp not exceeding 43°C.

Deck Preparation: Clean the roof deck until it is free of dirt, dust, nails, and other materials. Providing a clean, dry and smooth deck surface is important to assure proper adhesion of the WinterGuard to the deck. Before application to existing roofs, remove all roofing materials including the roofing felt and nails.

Priming: Priming is not necessary for clean and dry wood decks. Concrete and masonry deck surfaces and oily metal surfaces require priming with an asphalt primer meeting ASTM D 41 standards, such as CertainTeed's FlintPrime™, or equivalent. Before WinterGuard is applied, primer must be dry. Follow manufacturer's instructions for the application of the primer

Membrane Application at the Eaves for Ice Dam Protection: WinterGuard can be applied in any length convenient to the applicator. First, align unrolled material with lower edge of roof and hold in place. Lift starting end of material approximately 300mm (1 foot), peel back and fold under at least 150mm (6 inches) of both sheets of protective release film. Carefully return the exposed adhesive surface to the deck and press firmly in place. If, at lower temperatures, the material does not adhere immediately, tack it in place with roofing nails or staples. Re-roll material from the other end until the peeled and folded back film is exposed. Beginning with the folded back film, peel both sheets of the remaining film from the roll, pulling parallel to the eave. Be sure all material lays flat without wrinkling and is well adhered.

Alternatively, apply by the "peel and flop" method, utilizing the two-piece split-sheet release film feature to adhere longitudinal halves, one at a time. It is best to cut the product into manageable lengths of about 3.3 metres (10 feet) when applying WinterGuard by this method.



