

WinterGuard® HT Waterproofing Underlayment,
WinterGuard® Sand Waterproofing Shingle Underlayment,
WinterGuard® Granular Waterproofing Shingle Underlayment,
WinterGuard® Metal Waterproofing Metal Underlayment

NOTE: Reference to WinterGuard® without specific reference to HT, Sand, Granular, or Metal relates to all four products.

PRODUCT INFORMATION

WinterGuard® products are most commonly used in critical areas such as roof eaves, valleys, and as a waterproofing underlayment for low-slope shingle, metal (Metal and HT only), slate, and mechanically-fastened tile roofing applications. WinterGuard HT (High Tack, High Temperature) and Metal are advanced waterproofing underlayments for shingle, metal, slate and tile roofs. They are 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 six (6) months.
- WinterGuard will not adhere to wet or cold surfaces. For cold weather tack down, use only roofing nails. Under no circumstances should staples be used with WinterGuard products. 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 vapor 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.
- WinterGuard Sand and Granular products can be applied beneath shingles, slate and mechanically-fastened tile to acceptable roof decks.
- WinterGuard HT is specially designed to withstand temperatures up to 250°F.
- WinterGuard may become slippery under certain weather conditions. When this occurs, avoid walking or crawling on the product.
- **WinterGuard Metal Only: Limit stacking to 1 pallet high – Do Not Double Stack.**

WINTERGUARD – MINIMUM ALLOWABLE APPLICATION SLOPE IS 2:12.

Product Composition:

WinterGuard is a self-adhering waterproofing membrane composed of a tough reinforcement that is impregnated and coated with SBS-modified 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 and Metal have 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.

Applicable Standards (WinterGuard HT, WinterGuard Sand, WinterGuard Granular):

ICC ESR-1492
 ASTM D 1970
 Florida Product Approval # FL 11288
 CSA A123.22
 Miami-Dade Product Control Approved
 UL 790: Classified for use as underlayment beneath Class A, B, or C fire rated shingle systems

Applicable Standards (WinterGuard Metal):

ASTM D 1970
 Florida Product Approval # FL 30046
 CSA A123.22
 UL 790: Classified for use as underlayment beneath Class A, B, or C fire rated shingle systems

WinterGuard Products by Surface Finish

PHYSICAL DATA

	Sand (short)	Sand	Granular	HT (film)	Metal
Roll Area (sq.ft.)	97.5	195	195	195	200
Roll Length (ft.)	32.5	65	65	65	61
Roll Width (ft.)	3	3	3	3	3.28
Thickness (mils. typical)	60	60	60	45	45
Side Laps (in.)	6	6	4	4	4
End Laps (in.)	6	6	6	6	4
Shipping Weight (approx. lb/roll)	36	68	68	51	60
Packaging (cartons/pallet)	30	20	20	20	28

TECHNICAL DATA

Per ASTM D1970	ASTM Test	Requirement	WinterGuard Granular, WinterGuard Sand, WinterGuard HT Film, WinterGuard Metal
Maximum Load at Break MD CMD	D2523	≥ 25 lbf/in	Pass Pass
Elongation at Break (Modified Bitumen Portion)	D2523	$\geq 10\%$	Pass
Adhesion to Plywood (75°F)	D903	≥ 12 lbf/ft	Pass
Thermal Stability	D1204	≤ 3 mm	Pass
Flexibility Temperature	D1970	Pass @ -20°F	Pass
Tear Resistance MD CMD	D4073	≥ 20 lbf/in	Pass Pass
Moisture Vapor Permeance	E96	≤ 0.1	Pass
Sealability Around Nail	D1970	No Leakage	Pass
Waterproof Integrity of Laps	D1970	No Leakage	Pass

FOR MORE INFORMATION

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