

Technical Data Sheet

RoofRunner™

High-Performance Synthetic Roofing Underlayment



PRODUCT INFORMATION

RoofRunner is a synthetic polymer-based scrim-reinforced underlayment designed for use on roof decks as a water-resistant layer beneath asphalt roofing shingles. Follow finished roofing manufacturer's instructions and all local building code requirements. It has exceptional dimensional stability compared to standard asphalt felt underlayment when wet. Its stability eliminates the possibility of wrinkles caused by moisture related expansion. Standard asphalt felt can become so wrinkled when it picks up moisture that it can sometimes "telegraph" its wrinkles through to the shingles applied over it, creating visually objectionable wrinkles on the finished roof. RoofRunner's extra-large 4-foot width and 250-foot length helps speed application. It has a special top surface treatment that provides excellent slip resistance, even when wet. CAUTION: Walking or crawling on any roof surface can be dangerous, especially when wet or snow/ice covered.

Product Data:

Roll Length (ft.):	250
Roll Width (ft.):	4
Thickness/nominal (mils)	7
Roll Size (Gross sq. ft.):	1000
Roll Coverage (Typical net sq. ft.):	937.5
Shipping Weight (approx. lb/roll):	24.5

Limitations: Do not install RoofRunner as ice dam protection along eaves. Two layers of RoofRunner cemented together is not an equivalent to WinterGuard®. This product is not designed to be permanently exposed to sunlight or to the weather.

Product Composition: RoofRunner roofing underlayment is based on a tough woven polyolefin reinforcement laminated between layers of specially formulated UV-stabilized polymer films.

Technical Data:

Typical properties of RoofRunner are shown in Table 1 below. RoofRunner is manufactured to comply with physical property requirements of ASTM D226 and ASTM D4869, including resistance to liquid water transmission.

RoofRunner™ / High Performance Synthetic Underlayment

Property			Data
Product weight (gsm)	--	ASTM D5261	110
Roll Weight w/core (lbs)	--	ASTM D5261	24.5
Breaking Strength (lbs)	MD	ASTM D5034	98
	CD		93
Tear Strength (lbs)	MD	ASTM D4533	18
	CD		16
Liquid Water Transmission	--	ASTM D4869	Passed
Fire Resistance with Class A Roof Shingle	--	ASTM E 108 & UL 790	Passed Class A
Moisture Vapor Transmission Rate (perms)	--	ASTM E-96	0.06
UV Exposure	--	ASTM G155 cycle 1	Passed / 3 months
COF (Top Side / walking surface)	Static	ASTM D1894	0.41
	Kinetic		0.39
COF (Bottom Side)	Static	ASTM D1894	0.73
	Kinetic		0.68

Table 1 – Typical values

RoofRunner

Applicable Standards:

RoofRunner conforms to:

- Physical requirements of both ASTM D226 and D4869
- Passed UL 790 / ASTM E108 Class A Fire Resistance with Class A Roof Shingle
- Conforms to ICC-ES AC188
- Florida Building Code Approved

INSTALLATION

Storage: Store RoofRunner rolls horizontally on the pallet or standing on end after opened, in a dry, protected area at a temperature less than 120°F.

Deck Preparation: Provide a clean, dry and smooth deck surface by eliminating dust, dirt, loose nails and other objects. Before application to existing roofs, remove all roofing materials, and then clean the roof deck until it is free of any dirt, dust, nails, and other materials.

Standard-Slope Application Only (4:12 and Greater): Starting at the lower edge of the roof, cover the entire deck by applying a single layer of RoofRunner parallel to the eaves, with printed side facing up. When necessary, overlap all ends (vertical laps) at least 6" and "weather-lap" all sides (horizontal laps) at least 3". Offset end laps from course to course at least 3 feet. Apply flat and unwrinkled, carefully fastening as described below to hold in place.

Low Slope Application (2:12 to <4:12 Slopes): When not using CertainTeed recommended WinterGuard or self-stick underlayment (for best application practices); slopes of **2" per foot up to 4" per foot require two layers (double coverage) of RoofRunner** in "shingle-fashion".

- Install a full 25.5" starter strip along the eaves
- Install a full 48" wide sheet over the starter strip
- Apply each succeeding 48" wide courses up the roof overlapping each previous course a maximum of 22.5" exposure (or 25.5 overlap) in traditional "half-lap" installation or in "shingle fashion".
- Overlap 12" at all end lap seams and offset from adjacent end laps by 3' minimum

Exposure Limitations:

- For new construction or for unfinished building shells; maximum exposure limit is 10 days (allows for building inspection before permanent roof is installed). Plastic cap nails with 1" diameter caps are required when not covered immediately.
- For re-roofs or recovering existing roofs; maximum exposure limit is 2 days (48 hours). Plastic cap nails with 1" diameter caps are required when not covered immediately.

Important Note: Based on standard accelerated QUV testing, the 90-day Ultraviolet resistance refers to standardized testing conducted to ensure the product will not physically degrade when exposed to UV. It is NOT related to withstanding water, snow, or wind. RoofRunner Synthetic Roofing Underlayment is water resistant; it is NOT WATERPROOF primary barrier. DO NOT USE RoofRunner Synthetic Roofing Underlayment as a temporary roof to protect property or possessions. Primary roofing should be installed immediately after underlayment installation if possible.

Fastening: DO NOT USE STAPLES or roofing nails! Cap nails with 1" heads are required for installation, they can be either pneumatically driven or hand applied. Correct nailing locations are clearly indicated by the circular target printed on the top surface.

Proper fastener spacing is 15" On-Center (O.C.) vertically and 12" O.C. horizontally (parallel to eaves). On vertical side/end laps install 8 fasteners equally spaced at 6" O.C. centered in the lap to hold the underlayment in place.

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Lap Sealing (required for up to 2 day dry-in): Where laps or joints require sealant or adhesive, use a high quality asphalt roofing cement meeting ASTM D4586 Type II or cements/caulks based on butyl rubber or urethane. It is particularly important to seal all lap seams in areas where the underlayment will be exposed to wind-driven rain.

Eaves Flashing for Ice Dam Protection (all slopes): Do not install RoofRunner as ice dam protection along eaves. Eaves flashing may be constructed from self-adhering waterproofing underlayment (such as CertainTeed's WinterGuard Waterproofing Shingle Underlayment, or its equivalent). Two layers of RoofRunner cemented together is not an equivalent to WinterGuard. Eaves flashing for ice dam protection should be installed to a level of at least 24" inside the interior wall line, or in areas of severe icing, at least up to the highest water level expected to occur from ice dams.

MAINTENANCE

RoofRunner requires no maintenance when installed according to manufacturer's application instructions.

WARRANTY

RoofRunner is warranted against manufacturing defects for the length of the warranty term. In the event that RoofRunner is installed underneath shingles manufactured by CertainTeed, CertainTeed warrants the performance of RoofRunner for the same number of warranty years as the installed CertainTeed shingles. In the event that roofing shingles not manufactured by CertainTeed are installed over RoofRunner, this Limited Warranty extends for 10 years from the date of RoofRunner installation. For specific warranty details and limitations, refer to the RoofRunner Limited Warranty

FOR MORE INFORMATION

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