

ROOFRUNNER® AIR

HIGH-PERFORMANCE BREATHABLE SYNTHETIC ROOFING UNDERLAYMENT

RESIDENTIAL ROOFING



PRODUCT INFORMATION

RoofRunner® AIR is a breathable synthetic 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. There are numerous benefits to using a breathable synthetic underlayment instead of traditional #15 felt or standard synthetic: superior nail pull resistance, improved wet and dry foot traction, superior wet dimensional stability and in all weather conditions, light weight construction makes for ease of handling and improved coverage with 10 squares of material per roll. This product is differentiated from regular RoofRunner® underlayment due to its unique permeable design and construction.

CAUTION: Walking or crawling on any roof surface can be dangerous, especially when wet or snow/ice covered.

PRODUCT DATA

Roll Length:	250 ft. (76 m)
Roll Width:	4 ft. (1.22 m)
Thickness/nominal (mils):	22
Roll Size:	1000 sq. ft (92.9 sq. m)
Roll Coverage:	937.5 sq. ft (87.1 sq. m)
Shipping Weight of roll:	35 lbs (15.87 kg)

LIMITATIONS

Do not install RoofRunner® AIR as ice dam protection along eaves. Two layers of RoofRunner® AIR 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® AIR roofing underlayment is based on a multilayer laminated polypropylene nonwoven.

TECHNICAL DATA

Typical properties of RoofRunner® AIR are shown in Table 1 below. RoofRunner® AIR is manufactured to comply with the performance requirements of ASTM D226.

PROPERTY			TARGET
Product Weight (gms)	-	ASTM D5261	170
Roll Weight w/core (lbs)	-	ASTM D5261	35.8
Break Strength (lbs)	MD CD	ASTM D5034	90 70
Tear Strength (lbs)	MD CD	ASTM D4533	32 28
Liquid Water Transmission	-	ASTM D4869	Passed
Fire Resistance with Class A Roof Shingle	-	ASTM E108 & UL 790	Passed Class A
Moisture Vapor Transmission Rate (perms)	-	ASTM E-96	15
UV Exposure	-	ASTM G155 cycle 1	Passed 6 months
COF (Top Side / walking surface)	Static Kinetic	ASTM D1894	0.50 0.42
COF (Bottom Side)	Static Kinetic	ASTM D1894	0.80 0.65

APPLICATION STANDARDS

RoofRunner® AIR conforms to:

- Performance requirements of ASTM D226 and CSA A123.3, Type 3
- ASTM E108 Class A Fire Resistance
- CSA A220.1
- QAI approved: B1107-1



INSTALLATION

Storage:

Store RoofRunner® AIR 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® AIR 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 adjacent end laps by at least 6 feet. Apply flat and unwrinkled, carefully fastening as described below to hold in place.

Low Slope Application (2:12 to <4:12

Slopes): The use of CertainTeed WinterGuard Waterproofing Shingle Underlayment, or its equivalent,* applied over the entire deck surface is required.

* For low slopes, underlayment equivalents to WinterGuard include: 1) waterproofing shingle underlayments meeting ASTM D1970; 2) in areas not prone to snow or ice, two layers of CertainTeed RoofRunner® AIR in shingle fashion (half lap) per the low-slope application instructions below:

- 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 at least 6 feet.

Exposure Limitations:

RoofRunner® AIR is not designed to be permanently exposed to sunlight and weather or used as a waterproofing underlayment. RoofRunner® AIR is tested for UV resistance for up to 180 days.

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 targets printed on the top surface. Otherwise, refer to local applicable building codes for required fastener type and fastener spacing in high wind zones.

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.

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® AIR 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). 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® AIR requires no maintenance when installed according to manufacturer's application instructions.

WARRANTY

RoofRunner® AIR is warranted against manufacturing defects for the length of the warranty term. In the event that RoofRunner® AIR is installed underneath shingles manufactured by CertainTeed, CertainTeed warrants the performance of RoofRunner® AIR 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® AIR, this Limited Warranty extends for 10 years from the date of RoofRunner® AIR installation. For specific warranty details and limitations, refer to the RoofRunner® AIR Limited Warranty.

For more information, contact

Customer Experience Team: 800-233-8990
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