

BREATHEX PRO

Engineered to Breathe

Breathex membrane technology is engineered to breathe, preventing water from being trapped against the roof deck while still maintaining a solid waterproof barrier from rain and leaks. Breathex is the first modern underlayment technology with no compromises. It brings with it all the benefits of tradition but it is made of truly cutting-edge synthetic construction.

Class Leading Walking Surface

The top side of Breathex Pro is formed out of nonwoven, spunbonded polypropylene fibres, textured so that rain or shine, Breathex Pro has a secure walking surface. This high-friction surface gives your boots plenty of traction, and when combined with proper footwear and fall protection, it provides a safer installation environment. Breathex Pro's walking surface is strong, durable, and specifically designed to give your feet excellent grip.

Maintaining a Dry and Healthy Deck

Attics can collect a steady flow of humid air from active living spaces below, and often through roof vents during repeated dewpoint mornings. This humid air can raise the absorbed moisture content of roof plywood to a level where unhealthy mold growth can occur, especially if the moisture can't escape from the upper side through a breathable underlayment. The hydrophilic coating on Breathex Pro will absorb water vapour molecules from the roof deck below and release them to the shingle interface above where sun and wind action can disperse them each day.

Physical Test Parameters

Meets or exceeds	ASTM D8257
Meets or exceeds	ASTM D226, CSA A123.3

Tensile Strength

Machine Direction	97 lbs/in
Cross Direction	60 lbs/in

Tear Strength

Machine Direction	35 lbs
Cross Direction	22 lbs

Resistance

Water	Pass (ASTM D4869)
UV	6 months (ASTM G154)

Permeability

MVTR	20 (ASTM E-96-A)
MVTR	10 (ASTM E-96-B)

Packaging

Roll Width	48" (1.219 m)
Roll Contents	1000 sq. ft. (92.90 m ²)
Rolls per Pallet	25
Weight per Roll	25 lbs approx.
Pallet Size	43" x 43"



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Installation Guide

1. Deck preparation

Ensure that the roof deck is clean and free of debris, old fasteners, or sharp protrusions that might puncture the underlayment.

2. Sheet placement

Always run the sheet horizontally. Place the sheet with the printed side up, with the bottom edge parallel with but slightly overhanging the eave of the roof. Then follow the 3" lap-lines for placement of each succeeding sheet. Vertical laps should be a minimum of 6". For low slopes, less than 3 in 12, lap the sheet 25" to the lower center lap-line for a double ply installation, as required by most shingle manufacturers.

3. Fastening the sheet

Apply fasteners every 6" along the edges of the sheet as marked, and in a staggered pattern throughout the body of the sheet as marked. Use the 2" grid as reference. Acceptable Fasteners: 1" plastic cap roofing nails with standard 3/8" head corrosion resistant roofing nails. We do not recommend using staples. For Extreme Wind Conditions add extra cap nails along bottom edges and middle of each sheet. If covering with roofing immediately, the recommended nail spacing may be relaxed.

4. Sealants

Apply sealants where required for laps or for damage repair. Where seams or joints are specified to require sealant or adhesive, use a high quality, low solvent, asphalt roofing cement meeting ASTM D-4586 Type 1, Federal Spec SS-153 Type 1. Follow sealant manufacturer's application instructions. Also apply sealant over any holes created during installation or by mis-driven fasteners.

5. UV and weather exposure time

Keep the roof-top exposure time as short as practical. Breathex is designed for a maximum of 3 months of exposure to UV. It is not intended to be used as a temporary roof for that period. Its purpose is to provide a secondary protective layer beneath the finish roofing. If used as a temporary roof during construction there may be potential for some leakage to occur during rain periods at fasteners or due to wind driven rain being forced under a lap. NOTE: If any wet spots or wet deck occurs beneath the underlayment during application this moisture will eventually dry upwards through the underlayment.

6. Attic ventilation

Use a breathable underlayment and add vents where required to help avoid attic mold. Older homes typically have higher attic humidity. When re-roofing an older home always choose a breathable underlayment as a wise precaution to help release attic humidity.

⚠ Caution

Always use good footwear to work on a roof. Breathex has one of the best walking surfaces for foot grip on a roof slope. However always use traction soled footwear and observe safe roofing codes and practices required by OSHA Regulation Standard 29CFR, fall protection systems criteria and practices 1926.502. Follow all national fall protection standards.

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