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## BREATHEx UNDERLAYMENT INSTALLATION GUIDE

### 1. DECK PREPARATION: Clean the deck thoroughly.

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

### 2. BREATHEx ROLL HANDLING: Handle rolls carefully and avoid scuffing or puncturing the sheet.

Keep the rolls in their protective bags prior to installation. This product has a unique polymer coating on one side which stops water penetration yet lets the product breathe. Dragging or scuffing the roll over a rough surface might damage the coating and create potential leak points.

### 3. 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" (7.6cm) lap-lines for placement of each succeeding sheet. Vertical laps should be a minimum of 6" (15cm).

**FOR LOW SLOPES**, less than 3 in 12, lap the sheet 25" (63cm) to the lower center lap-line for a double ply installation, as required by most shingle manufacturers.

### 4. FASTENING THE SHEET: Apply fasteners through the printed guide circles, tight and flush to the deck.

A. Acceptable Fasteners: 1" plastic cap roofing nails or standard 3/8" head corrosion resistant roofing nails.

B. Not Acceptable Fasteners: Staples

C. Fastener Spacing: Fasten at every circle O (6" spacing) on the overlapping edge and middle of each sheet.

D. For Extreme Wind Conditions : Add extra cap nails along bottom edges and middle of each sheet.

E. Optional Fastening: If covering with roofing immediately, the recommended nail spacing may be relaxed.

### 5. 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.

### 6. 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 and shingles.

### 7. 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.

### 8. SAFETY: 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 and good roofing practices at all times.

NOTICE: Any deviation from this recommended installation guide may void the warranty. Updated October 2017