

PE-10 VAPOUR RETARDER MEMBRANE

DESCRIPTION & USE

LEXCOR PE-10 is a heavy gauge polymeric vapour retarder designed for use with single-ply roofing systems, in walls and ceilings, and as an underslab vapour retarder. Highly impermeable to moisture vapour transmission, PE-10 protects the roof insulation and membrane system components from the damaging effects of building humidity.

PE-10 may be used over any type of deck (concrete, steel, wood). Insulation must be either mechanically fastened or loose laid and ballasted. PE-10 sheets are normally loose laid onto the roof deck and then seamed together with LEXSHIELD Tape or an approved sheathing tape.

FEATURES & BENEFITS

Impermeable - PE-10 high resistance to moisture vapour assures that the full insulating value of the insulation is retained over the long term.

Rugged & Resistant - PE-10 heavy gauge film resists tears and abrasion due to strong winds or rough handling during construction.

Large Rolls - 2,000 sq. ft. rolls make installation exceedingly fast.

Easy to Seam - PE-10 sheets are quickly seamed together with LEXSHIELD Tape or an acceptable sheathing tape.

Seals to Walls or Air Barriers - PE-10 can be effectively sealed airtight to all common air barrier systems including bitumen based systems.

TECHNICAL DATA

Physical Properties - PE-10	
Polymer:	L.D. + L.L.D. Polyethylene
Nominal Thickness (ASTM D-2103):	0.25 mm (10 mil)
Colour:	Regular Clarity
Dart Impact (ASTM D-1709):	480 g (1.06 lbs)
Tensile Elongation (ASTM D-882):	MD: 800% TD: 900%
Tensile (ASTM D-882):	MD: 3470 psi TD: 3300 psi
Induction Time (ASTM D-3895):	30 or above (min 90DC)

Note: LEXCOR PE-10 is not tested for CGSB properties. However, the product should meet and exceed the properties of 0.15 mm (6 mil) CGSB.



Physical Properties - LEXSHIELD TAPE

Material:	High Density Polyethylene with high tack adhesive
Width:	101.6 mm (4")
Vapour Permeance (ASTM E 96):	5.7 (0.1 Perms)
Air Permeance (ASTM E 2178-03):	@ 75 Pa P.D. 0.0023 L/s/m ² @ 300 Pa P.D. 0.0074 L/s/m ²

INSTALLATION INSTRUCTIONS

General

Unroll PE-10 sheet and position loosely over the deck. Vapour Retarder must extend up all curbs, parapets, walls and roof protrusions to the same height as the top of the insulation layer. Overlap adjacent sheets a minimum of 38 mm (1.5") on the sides and ends. If on steel deck, ensure side lap area is centred over an upper flute.

Sealing to Walls, Parapets, Roof Edge or Protrusions

Seal with LEXSHIELD Tape or an approved sheathing tape.

Roof Membrane & Insulation Installation

Install insulation, roofing membrane and ballast/security system (as per the system supplier's installation instructions) over the positioned vapour retarder sheet, leaving approximately 305 mm (12") of the vapour retarder exposed along field edges.

Field Splicing

1. Fold upper vapour retarder sheet edge back 152 mm (6") and ensure lap areas on membranes are clean and dry.



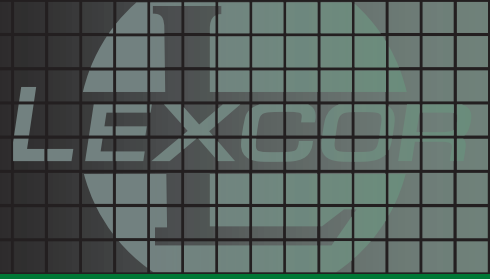
COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada 1.800.268.2889 / Quebec & Atlantic Canada 1.800.363.2307

Distr. By/Par Lexsuo 2010 Corporation, 3275 Orlando Drive, Mississauga, ON, L4V 1C5

12062024

PE-10 VAPOUR RETARDER MEMBRANE



2. With release paper left on, unroll LEXSHIELD Tape and press tape (adhesive side down) onto the backside of the upper membrane along the edge of the sheet. Overlap splice tape ends 25 mm (1") where required.
3. Peel off splice tape release paper and let the upper membrane fall into place over the lower membrane. Roll the splice area heavily with a hand roller, ensuring a complete seal.

Repeat all above steps for remainder of the roof.

CAUTIONS & LIMITATIONS

Avoid exposure to sunlight or ultra-violet light. Exposure to direct sunlight should not exceed 7 days. Avoid exposure to materials containing solvents, oils or bituminous chemicals.

SPECIFICATION

Short Form

Vapour Retarder shall be LEXCOR PE-10 vapour retarder, a 0.25 mm (10 mil) thick polyethylene sheet, manufactured in accordance with the requirements of CAN/CGSB-51.34-M86. Vapour retarder sheets shall be sealed together and to walls and protrusions with LEXSHIELD Tape. Installation shall be in strict accordance with LEXCOR instructions.

