PERMINATOR®
10 and 15 Mil Underslab Vapor Barrier

DESCRIPTION
PERMINATOR underslab vapor barrier is a new generation of polyolefin-based resin/chemical technology. PERMINATOR provides the vapor barrier industry with a highly effective, economical choice for helping to reduce the penetration of moisture and water vapor through the slab into the structure, thereby helping to reduce fungus, mildew, and mold growth. PERMINATOR also helps reduce radon gas from entering the structure.

PERMINATOR is tough enough to withstand normal construction jobsite conditions and traffic. It will not crack, puncture, snag, split, or tear easily.

PERMINATOR helps meet and maintain the maximum slab moisture transfer rate of 3 lb./1000 ft.²/24 hours, as allowed by the flooring industry’s specifications.

PERMINATOR is available in 10 mil and 15 mil thicknesses. Both versions are furnished in 200’ (61 m) long rolls.

PERMINATOR’s 12’ wide (15 mil) and 15’ wide (10 mil) rolls require fewer seams in application. Installation is quick and easy. All joints/seams, both side and end, should be overlapped 6” and taped using 4” wide PERMINATOR TAPE. PERMINATOR rolls fast and smoothly over level tamped soil or compacted fill.

SPECIFICATIONS
- Meets or exceeds all requirements of ASTM E 1745 Class A, B & C.

LEED INFORMATION
May help contribute to LEED credits:
- EA Credit 1: Optimize Energy Performance
- EQ Credit 3.1: Construction IAQ Management Plan: During Construction
- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally
- SS Credit 3: Brownfield Redevelopment

USES
PERMINATOR underslab vapor barrier is primarily designed for underslab construction, where the soil has been tamped and leveled or compacted fill has been applied. The 200’ (61m) long sheets are unrolled as is or cut to size and installed using the overlapping method. Overlaps are 6” wide and these seams are sealed using 4” wide PERMINATOR TAPE.

PERMINATOR can also be used as a protection course for waterproofing membranes. The desired sheet lengths are cut to size and retained at the top of the waterproofing membranes by PERMINATOR TAPE or TERMINATION BAR. PERMINATOR 10 mil is also ideal for use over horizontal applications of MEL-ROL® LM.

FEATURES/BENEFITS
- Available in 10 mil and 15 mil thicknessess, in 200’ (61m) long rolls.
- Helps reduce the penetration of moisture and water vapor through the slab into the structure.
- Helps reduce fungus, mildew, and mold.
- Helps reduce radon gas from entering a structure.
- Tough enough to withstand normal construction jobsite conditions and traffic…will not crack, puncture, snag, split, or tear easily.
- Installs quickly and easily over tamped grade … no gravel, fill, or sand needed.
- 12’ (15 mil) and 15’ (10 mil) wide rolls require fewer seams in application.
- Helps meet and maintain the maximum slab moisture transfer rate of 3 lb./1000 ft.²/24 hours, as allowed by the flooring industry’s specifications.
- 10 or 15 mil thickness clearly marked on membrane for easy visual identification on jobsite.
- VOC content is 0 g/L.

CONTINUED ON REVERSE SIDE…
## PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>WATER VAPOR PERMEANCE RATING</th>
<th>TENSILE STRENGTH</th>
<th>PUNCTURE RESISTANCE</th>
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<tr>
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<td>ASTM E 96, Water Method</td>
<td>ASTM E 154, Section 9</td>
<td>ASTM D 1709, Method B</td>
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<td>PERMS</td>
<td>WVT Grains/Fl^2/Hr.</td>
<td>LB. FORCE/INCH</td>
<td>GRAMS</td>
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<td>PERMINATOR 10 MIL</td>
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<td>PERMINATOR 15 MIL</td>
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### Diagram

**PERMINATOR 15 MIL OVERLAP ILLUSTRATION**

- 4" Wide PERMINATOR TAPE
- 6" Overlap On All Sheets
- 12" Wide
- 4" Wide Seam Coverage PERMINATOR TAPE

**PERMINATOR Sheet Membrane**

- Up to 200' Long

**NOTE:**

PERMINATOR is also available in a 10 Mil product which is 15' wide, and follows same installation procedure.
PACKAGING
10 mil: 15’ wide (4.57 m), 200’ long (60.96 m)
or 54” wide (1.37 m), 400’ long (121.92 m) by
special order only.
15 mil: 12’ wide (3.66 m), 200’ long (60.96 m)

APPLICATION
Surface Preparation … Level, tamp, or roll earth
or granular material beneath the slab base as
specified by supplied architectural drawings.
Follow ASTM E-1643-94 (standard practice and
procedure for installation of vapor retarder used in
contact with earth or fill under concrete slabs).

Horizontal Application … Unroll 200’ (61 m)
PERMINATOR over the area where the slab is to
be poured. Cut to size if necessary. PERMINATOR
should completely cover the pour area. All
joints/seams, both side and end, should be
overlapped 6” and taped using 4” wide
PERMINATOR TAPE. (Note: The
PERMINATOR TAPE area of adhesion should be
free from dust, dirt, and moisture to allow maximum
adhesion of the pressure-sensitive tape.)

The most efficient installation method includes
placing PERMINATOR on top of the footing and
against the vertical wall. This will sandwich
PERMINATOR between the footing, vertical wall,
and poured concrete floor. (See illustration on page
2.) This will help protect the concrete slab from
external moisture sources once the slab has been
placed.

Before placing concrete slab, make sure all
penetrations, blockouts, and damaged areas are
repaired/addressed.

Numerous municipal building codes do not allow
the placement of vapor barriers over the footing,
due to breaking of the bond between the wall and
footing. Although this is not an optimal application
method, W. R. MEADOWS approves this alternate
method when required by building code.

Figure 1   COLLAR

SEAL ALL PROTRUSIONS … Cut a slit around
pipes, ductwork, rebar, and wire penetrations to
place the initial layer of PERMINATOR. To
further protect the concrete slab from external
moisture sources, use a piece of PERMINATOR
and place a collar around this as well.

1. Cut a piece of PERMINATOR a minimum
width of 12”. The length should be 1 1/2
times the pipe circumference. With a
roofer’s knife or scissors, cut “fingers” half
the width of the film. See Figure 1.
2. Wrap around and tape the collar onto the
pipe and completely tape fingers to the
bottom layer of PERMINATOR, as shown
in Figure 2.

In the event that PERMINATOR is damaged
during or after installation, repairs must be made.
Cut a piece of PERMINATOR large enough to
cover any damage by a minimum overlap of 6” in
all directions. Clean all adhesion areas of dust,
dirt, and moisture. Tape down all edges using
PERMINATOR TAPE.

NOTE: It is not necessary to overlay
PERMINATOR with gravel or sand.
PERMINATOR is tough enough to withstand
normal construction abuse and traffic. Most
flooring companies recommend the placement of
the concrete slab directly on the vapor barrier. We
agree, since this eliminates the potential for
trapping moisture in a blotter-effect, causing it to
resurface through the slab into the flooring
systems. Consult local building codes and
regulations, plus architectural and design firm
guidelines, prior to application.

Figure 2   PERMINATOR COLLAR INSTALLATION
**Vertical Wall Application** … Install MEL-ROL waterproofing membrane or MEL-ROL LM liquid waterproofing membrane according to installation instructions. While the membrane is still tacky, install PERMINATOR as a protective course over the applied waterproofing membrane. Using TERMINATION BAR with concrete nails or PERMINATOR TAPE at the termination of the waterproofing membrane is advisable in some applications. Supervised care must be taken during backfilling against the material so that it is not damaged or punctured. If damage occurs, patch using the techniques outlined previously.

**ACCESSORIES**

MEL-DRAIN® rolled matrix drainage system is designed to remove moisture from around footings and to relieve hydrostatic head pressures. Eight versions are available.

MEL-ROL LM or POINTING MASTIC may be used for stakes, small pipe, and rebar penetrations. Cut PERMINATOR just big enough for the penetration. Liberally apply MEL-ROL LM or POINTING MASTIC around the penetration to keep the integrity of the PERMINATOR membrane intact. MEL-ROL LM can be applied by brush, roller, or sprayer. POINTING MASTIC can be applied by caulking gun or trowel.

PERMINATOR TAPE is a self-adhesive tape for use in sealing vapor barrier seams and attachment to footings, protrusions, etc. It is offered in 4” (10 cm) widths and roll lengths of 180’ (55 m)/roll. It is packaged twelve rolls per carton. Coverage: One box of tape will adhere approximately 10 rolls of PERMINATOR.

TERMINATION BAR is provided in 10’ (3 m) lengths to attach PERMINATOR to vertical walls as a protection course for vertical wall waterproofing applications.

**PRECAUTIONS**

PERMINATOR underslab vapor barrier does not negate the need for relief of hydrostatic heads. A complete drain tile system should be placed on the exterior of the footing and, in severe cases, on the interior of the footing as well. For maximum concrete performance and durability, the concrete floor slab design should provide for the lowest possible slump, yet assure complete hydration of the concrete. Refer to Material Safety Data Sheet for complete health and safety information.

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**LIMITED WARRANTY**

“W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order.” Read complete warranty. Copy furnished upon request.

**Disclaimer**

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