

PRODUCT DESCRIPTION

Vapor Block™ is a high performance underslab vapor retarder designed to retard moisture migration through concrete slabs-on-grade. This product is made from state-of-the-art polyethylene resins that provide superior physical and performance properties that far exceed ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B and C requirements.

High tensile strength, unequaled puncture resistance, low moisture vapor permeability as well as resistance to decay make **Vapor Block** one of the most effective underslab vapor retarders on the market today! Available in 6, 10 and 15 mil thicknesses to best meet required performance specifications.

PRODUCT USE

Vapor Block impedes the transmission of water vapor from traveling upward through a concrete slab-on-grade or through a concrete wall when properly installed. It is extremely important to avoid puncturing a vapor retarder during installation to assure proper performance. **Vapor Block's** puncture strength is second to none, withstanding even the most demanding installation conditions.

Vapor Block vapor retarders protect your flooring and other moisture sensitive furnishings in your building's interior from moisture migration. **Vapor Block** vapor retarders can also greatly reduce condensation, mold and degradation by controlling water vapor migration.

SIZE & PACKAGING

Vapor Block 6 & 10 are available in 15' wide rolls by 200' long for ease of installation and maximum coverage. **Vapor Block 15** is available in 12' wide rolls by 200' long. Other custom sizes are available depending upon size and volume requirements. All rolls are folded and rolled on heavy-duty cores for ease in handling and installation. Installation instructions and ASTM E-1745 classifications accompany each roll.

PRODUCT	PART NUMBER
Vapor Block	VB 6
Vapor Block	VB 10
Vapor Block	VB 15

COMMON APPLICATIONS

- Under-Slab Vapor Retarder
- Crawl Spaces
- Foundation Wall Vapor Retarder



VaporBlock™

UNDERSLAB VAPOR RETARDER

6, 10 & 15

PROPERTIES	TEST METHOD	VAPOR BLOCK 6		VAPOR BLOCK 10		VAPOR BLOCK 15	
		English	Metric	English	Metric	English	Metric
THICKNESS, NOMINAL		6 mil	0.15 mm	10 mil	0.25 mm	15 mil	0.38 mm
WEIGHT PER MSF		29 lbs	13 kg	49 lbs	22 kg	73 lbs	33 kg
CLASSIFICATION	ASTM E 1745	CLASS C		CLASS A, B & C		CLASS A, B & C	
TENSILE STRENGTH Average MD & TD (New Material)	ASTM E 154 Section 9	30 lbs/in	130 N	52 lbs/in	230 N	77 lbs/in	340 N
TENSILE STRENGTH Average MD & TD (After Soaking)	ASTM E 154 Section 9	25 lbs/in	110 N	55 lbs/in	240 N	82 lbs/in	360 N
PUNCTURE RESISTANCE (New Material)	ASTM D 1709 Method B	1600 g		3400 g		4400 g	
MAXIMUM USE TEMPERATURE		180°F	82°C	180°F	82°C	180°F	82°C
MINIMUM USE TEMPERATURE		-70°F	-57°C	-70°F	-57°C	-70°F	-57°C
PERMEANCE (New Material)	ASTM E 154 Section 7 ASTM E 96 Procedure B	.090 U.S. Perms	.060 Metric Perms	.036 U.S. Perms	.024 Metric Perms	.025 U.S. Perms	.016 Metric Perms

The test results listed above were provided by TRI/Environmental, Inc. of Austin, TX.

VAPOR BLOCK PLACEMENT

1. Level and tamp or roll granular base.
2. Unroll **VAPOR BLOCK** with the longest dimension parallel with the direction of the pour and unfold.
3. Lap **VAPOR BLOCK** over the footings and seal to the vertical foundation walls with two-sided tape. Lap joints a minimum of 6 inches and seal overlap with Raven Seaming Tape.
4. Seal around sewer pipes, support columns or any other penetration with an elastomeric sealant to create a monolithic membrane between the surface of the slab and moisture sources below and at the slab perimeter.

(These are very general installation instructions. Instructions on architectural or structural drawings should be reviewed & followed as well. Detailed installation instructions accompany each roll of VAPOR BLOCK. ASTM E 1643 also provides valuable installation information.)

Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

RAVEN
INDUSTRIES

Flexible Films Department

PLANT LOCATIONS

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