



VAPORBLOCK® VB10, VB15

HIGH PERFORMANCE UNDERSLAB VAPOR BARRIER



VaporBlock® is a high performance underslab vapor barrier designed to retard moisture migration through concrete slabs and concrete walls to protect your structure from:

- ▶ **MOLD:** VaporBlock® reduces moisture condensation within a structure, impeding the growth of molds, mildews, and fungi.
- ▶ **MOISTURE:** VaporBlock® protects flooring materials by maintaining moisture levels well below the requirements of ASTM E-1745-11.
- ▶ **RADON:** VaporBlock® is used as a component of radon mitigation systems to protect indoor air quality and occupant health. Raven also offers VaporBlock® Plus™, a highly effective gas and moisture barrier.

APPLICATIONS

- ▶ Underslab Vapor Retarder/
Barrier
- ▶ Foundation Wall Vapor
Retarder
- ▶ Radon Retarder

PRODUCT USE

VaporBlock® is one of the most effective underslab vapor barriers on the market today! Benefits include:

- ▶ Ultra-low moisture vapor permeability
- ▶ Superior puncture resistance
- ▶ High tensile tear strength
- ▶ Resistance to decay and degradation
- ▶ Larger rolls sizes to lower installation costs

VaporBlock® is manufactured to strict conformance specifications under ISO 9001 Certified Management System to consistently exceed ASTM standards and project expectations. VaporBlock® meets the highest possible quality standards across multiple industries. VaporBlock® is supported with independent testing. Results are available upon request, as required under ASTM E-1745-11.

Note: All instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be located on our website.

ASTM E-1643 also provides general installation information for vapor retarders. All VaporBlock series materials can be installed with print or color facing up or down and will provide the same performance. ASTM E-1745-11, "Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs".

VAPORBLOCK®

SPECIFICATIONS



PROPERTIES	TEST METHOD	VAPORBLOCK VB10	VAPORBLOCK VB15**	ASTM E 1745-11 Class A, B & C ¹
		IMPERIAL	IMPERIAL	IMPERIAL
Appearance		Blue	Blue	-
Thickness, Nominal		10 mil	15 mil	-
Roll Size		14 ft x 210 ft	14 ft x 140 ft	-
Weight		49 lbs/MSF	73 lbs/MSF	-
Classification	ASTM E1745	CLASS A, B, & C	CLASS A, B, & C	Class A, B, or C
Tensile Strength Average MD & TD (New Material)	ASTM E154 Section 9, (D882)	52 lbs/in	60 lbs/in	Class A = 45 lbs/in Class B = 30 lbs/in Class C = 13.6 lbs/in
(After Exposure)		53 lbs/in	61 lbs/in	Minimum
Puncture Resistance	ASTM D1709 Method B	2200 g	2600 g	Class A = 2200 g Class B = 1700 g Class C = 475 g Minimum
Permeance (New Material)	ASTM E154 Section 7 ASTM E96 Procedure B	0.0146 Perms grains/(ft ² •hr•in Hg)	0.01 Perms grains/(ft ² •hr•in Hg)	Class A, B, & C
(After Conditioning)	ASTM E154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0153 0.0151 0.0160 0.0181	0.01 0.01 0.01 0.01	0.1 Perms grains/(ft ² •hr•in Hg) Maximum
WVTR	ASTM E96 Procedure B	0.0084 grain/hr-ft ²	0.004 grain/hr-ft ²	-
Maximum Static Use Temp		180° F	180° F	-
Minimum Static Use Temp		-70° F	-70° F	-

1 Referencing ASTM E1745-11, Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs

PRO-FORMA DATA SHEET FOR VAPORBLOCK® VB15**

**PROFORMA Contents: Data listed for VaporBlock® VB15, under ASTM E154, section 11, 12, and 13, is extrapolated from actual section 8 values and is subject to change at any time as additional test data becomes available.

VaporBlock® can be identified as blue in color printed with the VaporBlock® logo and the conformance information listing ASTM E-1745, classifications.

NOTE: The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

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