

VAPORBLOCK® VB6 & VB10

High Performance Underslab Vapor Barrier

RAVEN
ENGINEERED FILMS

Product Description

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.

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

- Low moisture vapor permeability
- Superior puncture resistance
- High tensile tear strength
- Resistance to decay and degradation

VaporBlock® is manufactured to strict conformance specifications under our ISO 9001-2008 Certified Management System to consistently exceed ASTM standards and project expectations. Raven's accredited lab ensures 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. VaporBlock® is readily available through nation-wide distribution:

- Available in 6, 10 and 15 mil for optimal project flexibility (VB15 on separate data sheet)
- Larger roll sizes equal lower installation costs

Raven Industries manufactures VaporBlock® and controls all aspects from start to finish assuring the final product meets our high performance standards. Raven is a publicly-traded company, with over 50 years of stability and service excellence to stand behind our products with a future of innovation and growth.



Vapor Barrier - Commercial

Product

Part

VAPORBLOCK 6.....	VB6
VAPORBLOCK 10.....	VB10

APPLICATIONS

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

Note: All instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions accompany each roll of VaporBlock and can also 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".

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PROPERTIES	TEST METHOD	VAPORBLOCK VB6	VAPORBLOCK VB10	ASTM E 1745-11 Class A, B & C ¹
		Imperial	Imperial	Imperial
APPEARANCE		Blue	Blue	-
THICKNESS, NOMINAL		6 mil	10 mil	-
ROLL SIZE		15 ft x 200 ft	15 ft x 200 ft	-
WEIGHT		29 lbs/MSF	49 lbs/MSF	-
CLASSIFICATION	ASTM E1745-11	CLASS C	CLASS A, B & C	Class A, B, or C
TENSILE STRENGTH AVERAGE MD & TD (NEW MATERIAL)	ASTM E154 Section 9, (D882)	32 lbs/in	52 lbs/in	Class A = 45 lbs/in Class B = 30 lbs/in Class C = 13.6 lbs/in Minimum
(AFTER EXPOSURE)		25 lbs/in	53 lbs/in	
PUNCTURE RESISTANCE	ASTM D1709 Method B	>1500 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	0.090 *Perms	0.0146 *Perms	Class A, B, & C 0.1 *Perms Maximum
(AFTER CONDITIONING)	ASTM E154 Section 8, E96	0.105	0.0153	
	Section 11, E96	0.124	0.0151	
	Section 12, E96	0.097	0.0160	
	Section 13, E96	0.099	0.0181	
WVTR	ASTM E96 Procedure B	0.080 grain/hr-ft ²	0.0084 grain/hr-ft ²	-
MAXIMUM USE TEMPERATURE		180° F	180° F	-
MINIMUM USE TEMPERATURE		-70° F	-70° F	-

* grains/(ft²·hr·in Hg)

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



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

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. 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. Limited Warranty available at www.RavenEFD.com



Scan QR Code to download current technical data sheets via the Raven website.



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3/14 EFD 1485