

VAPORBLOCK® VB10, VB15

HIGH PERFORMANCE UNDERSLAB VAPOR BARRIER

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 the ground floor slab finishes of building structures such as factories, public buildings and residential homes from being destroyed by Rising Damp. VaporBlock maintains moisture levels well below the requirement of ASTM E-1745-11
- **RADON & METHANE GASES :** VaporBlock VBP 20 is used as a barrier to prevent the migration of Radon Gases into homes. Radon is a chief cancer causing gas in homes. Methane ignites or burst into flames readily.

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 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 10 and 15 mil for optimal project flexibility
- 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 60 years of stability and service excellence to stand behind our products with a future of innovation and growth.

VaporBlock®
UNDERSLAB VAPOR BARRIER



Vapor Barrier - Commercial
PART #

PRODUCT

VAPORBLOCK 10	VB10
VAPORBLOCK 15	VB15

APPLICATIONS

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



VAPORBLOCK COMPLIES TO: ASTM E 1745-11



GROUND FLOOR CONCRETE SLABS ARE DESIGNED TO LAST A HUNDRED YEARS

Engineered Films specified for use to prevent
RISING DAMP AND CORROSION must be tested
to comply with ASTM E1745 -11 which enable it
to sustain and continue to be actively functional for the same
period of a 100 years.

This insures that the most used and critical part of a building
structure remains free from the very well-known phenomena

RISING DAMP

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PRO-FORMA DATA SHEET
FOR VAPORBLOCK® VB15**

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		15 ft x 200 ft	12 ft x 200 ft	-
WEIGHT		49 lbs/MSF	73 lbs/MSF	-
CLASSIFICATION	ASTM E1745-11	CLASS A, B, & C	CLASS A, B, & C	CLASS A, B, or C
TENSILE STRENGTH AVERAGE MD & TD (NEW MATERIAL) (AFTER EXPOSURE)	ASTM E154 Section 9, (D882)	52 lbs/in 53 lbs/in	60 lbs/in 61 lbs/in	Class A = 45 lbs/in Class B = 30 lbs/in Class C = 13.6 lbs/in Minimum
PUNCTURE RESISTANCE	ASTM D1709 Method B	2600 g	3000 g	Class A = 2200 g Class B = 1700 g Class C = 475 g Minimum
PERMEANCE (NEW MATERIAL) (AFTER CONDITIONING)	ASTM E154 Section 7 ASTM E96 Procedure B ASTM E154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0146 Perms grains/(ft ² ·hr·in Hg)	0.01 Perms grains/(ft ² ·hr·in Hg)	Class A, B, & C 0.1 Perms grains/(ft ² ·hr·in Hg) Minimum
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

** 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.



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

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

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