

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. Viaflex also offers VaporBlock® Plus™, a highly effective gas and moisture barrier.

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

VaporBlock® is manufactured to strict conformance specifications under our ISO 9001 Certified Management System to consistently exceed ASTM standards and project expectations. Viaflex'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 20 mil for optimal project flexibility
- Larger roll sizes equal lower installation costs

VIAFLEX manufactures VaporBlock® and controls all aspects from start to finish assuring the final product meets our high performance standards. VIAFLEX 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

PRODUCT

PART

VAPORBLOCK 20 VB20

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".

VAPORBLOCK® VB20

HIGH PERFORMANCE UNDERSLAB VAPOR BARRIER

PROPERTIES	TEST METHOD	VAPORBLOCK VB20	ASTM E 1745-11 Class A, B & C ¹
		IMPERIAL	IMPERIAL
APPEARANCE		Blue	-
THICKNESS, NOMINAL		20 mil	-
ROLL SIZE		16 ft x 90 ft	-
WEIGHT		97 lbs/MSF	-
CLASSIFICATION	ASTM E1745-11	CLASS A, B, & C	Class A, B, or C
TENSILE STRENGTH AVERAGE MD & TD (NEW MATERIAL) (AFTER EXPOSURE)	ASTM E154 Section 9, (D882)	68 lbs/in 69 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	3400 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	0.01 Perms grains/(ft ² •hr•in Hg) 0.01 0.01 0.01 0.01	Class A, B, & C 0.1 Perms grains/(ft ² •hr•in Hg) Maximum
WVTR	ASTM E96 Procedure B	0.003 grain/hr-ft ²	-
MAXIMUM STATIC USE TEMP		180° F	-
MINIMUM STATIC USE TEMP		-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



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data sheets.

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. VIAFLEX 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.viaflex.com

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