

VAPORBLOCK® G™ VBGL15

Underslab Vapor Barrier with 10% Recycled Content



Product Description

VaporBlock® G™ is a high performance 3-layer co-extruded underslab vapor barrier containing post-consumer recycled content in the core layer. The outer layers are made from state-of-the-art polyethylene resins that provide superior physical and performance properties far exceeding ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B and C requirements.

VaporBlock® G™ can help achieve a higher LEED rating by qualifying for Credit 4 (Recycled Content) of Materials and Resources by containing a minimum of 10% post-consumer recycled polyethylene for 1 LEED point on qualifying projects. Select recycled polyethylene provides an excellent raw material that would otherwise be manufactured from virgin materials and at the same time preserves landfill space.

Excellent tensile strength, very low permeability, and puncture resistance that is almost twice the requirement of ASTM E1745-11 make VaporBlock® G™ a highly effective alternative to standard underslab vapor barriers on the market today.

Product Use

VaporBlock® G™ 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. The VaporBlock® G™ impact strength is impressive, withstanding even the most demanding installation conditions.

VaporBlock® G™ protects your flooring and other moisture sensitive furnishings in your building's interior from moisture migration. VaporBlock® G™ can also greatly reduce condensation, mold and degradation by controlling water vapor migration.

Size & Packaging

VaporBlock® G™ 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.



Underslab Vapor Barrier - Commercial Project

Product

Part

VAPORBLOCK G..... VBGL15

APPLICATIONS

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

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		VAPORBLOCK VBGL15	
PROPERTIES	TEST METHOD	Imperial	Metric
APPEARANCE		Green	
THICKNESS, NOMINAL		15 mil	0.38 mm
WEIGHT		76 lbs/MSF	371 g/m ²
CLASSIFICATION	ASTM E1745	CLASS A, B & C	
TENSILE STRENGTH AVERAGE MD & TD (NEW MATERIAL)	ASTM E154 Section 9, (D882)	50 lbs/in	87.6 N/cm
(AFTER EXPOSURE)		50 lbs/in	87.6 N/cm
PUNCTURE RESISTANCE	ASTM D1709 Method B	> 4000 g	
MAXIMUM USE TEMPERATURE		180° F	82° C
MINIMUM USE TEMPERATURE		-70° F	-57° C
PERMEANCE (NEW MATERIAL)	ASTM E154 Section 7 ASTM E96 Procedure B	0.0134 *Perms	0.0090 **Perms
(AFTER CONDITIONING)	ASTM E154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0139 0.0124 0.0115 0.0137	0.0089 0.0082 0.0076 0.0088
WVTR	ASTM E96 Procedure B	0.0057 grain/hr-ft ²	0.0040 gm/hr-m ²

* grains/(ft²·hr·in Hg)

**g/(24hr·m²·mm Hg)

VaporBlock® G™ Placement

All instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions accompany each roll of VaporBlock® G™ and can also be located on our website. ASTM E-1643 also provides general installation information for vapor retarders.

VaporBlock® G™ is a high-performance 3-layer co-extruded vapor barrier containing post-consumer recycled content. VaporBlock® G™ can help you achieve a higher LEED rating by qualifying for Credit 4 (recycled content) of Materials and Resources by containing a minimum of 10% post-consumer recycled polyethylene. VaporBlock® G™ can be identified as green in color printed with the VaporBlock® G™ 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



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