

## Product Description

Geo Vapor® 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.

Geo Vapor® 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 Geo Vapor® G™ a highly effective alternative to standard underslab vapor barriers on the market today.

## Product Use

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

Geo Vapor® G™ protects your flooring and other moisture sensitive furnishings in your buildings interior from moisture migration. GeoVapor® G™ can also greatly reduce condensation, mold and degradation by controlling water vapor migration.

## Sizing and packaging

Geo Vapor® G™15 is available in 12 ft wide rolls by 200 ft 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.



## Product

## Part #

GEO VAPOR G..... GVG15

## APPLICATIONS

Underslab Vapor Retarder/Barrier

Foundation Wall Vapor Retarder

Radon Retarder

PROPERTIES	TEST METHOD	GVG15	
		Imperial	Metric
APPEARANCE		Green	
THICKNESS, NOMINAL		15 mil	0.38 mm
WEIGHT		76 lbs/MSF	371 g/m <sup>2</sup>
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	Geo Vapor® 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 <sup>2</sup>	0.0040 gm/hr-m <sup>2</sup>

\* grains/(ft<sup>2</sup>·hr·in·Hg)

\*\*g/(24hr·m<sup>2</sup>·mm Hg)

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. GEOCHEM, INC. 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.