

## PRODUCT DESCRIPTION

**VaporBlock Plus<sup>™</sup>** is a seven-layer co-extruded barrier made from state-of-the-art polyethylene and barrier resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission. **VaporBlock Plus** is a highly resilient underslab / vertical wall barrier designed to restrict naturally occurring gases such as radon and/or methane from migrating through the ground and concrete slab. **VaporBlock Plus** is more than 50 times less permeable than typical high-performance polyethylene vapor retarders against Methane, Radon and other harmful VOC's.

**VaporBlock Plus** is one of the most effective underslab barriers in the building industry today 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. Available in 6 (Class C) and 20 (Class A) mil thicknesses designed to meet the most stringent requirements. **VaporBlock Plus** is produced within the strict guidelines of our ISO 9001:2000 Certified Management System.

## PRODUCT USE

**VaporBlock Plus** resists gas and moisture migration into the building envelop when properly installed. It can be installed as a passive or active control system extending across the entire building including floors, walls and crawl spaces. When installed as a passive system it is recommended to also include a ventilated system with sump(s) that could be converted to an active control system with properly designed ventilation fans.

**VaporBlock Plus** works to protect your flooring and other moisture-sensitive furnishings in the building's interior from moisture and water vapor migration, greatly reducing condensation, mold and degradation.

## SIZE & PACKAGING

**VaporBlock Plus 6** is available in 12' x 200' rolls and **VaporBlock Plus 20** in 10' x 150' rolls to maximize coverage. All rolls are folded on heavy-duty cores for ease in handling and installation. Other custom sizes with factory welded seams are available based on minimum volume requirements. Installation instructions and ASTM E-1745 classifications accompany each roll.

PRODUCT	PART NUMBER
VaporBlock Plus 6 . . . . .	VBP 6
VaporBlock Plus 20 . . . . .	VBP 20

## COMMON APPLICATIONS

- Radon Barrier
- Methane Barrier
- VOC's Barrier
- Under-Slab Vapor Retarder
- Foundation Wall Vapor Retarder



## TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	VAPORBLOCK PLUS 6		VAPORBLOCK PLUS 20	
		English	Metric	English	Metric
<b>APPEARANCE</b>		White/Black		White/Gold	
<b>THICKNESS, NOMINAL</b>		6 mil	0.15 mm	20 mil	0.51 mm
<b>WEIGHT</b>		28 lbs/MSF	139 g/m <sup>2</sup>	102 lbs/MSF	498 g/m <sup>2</sup>
<b>CLASSIFICATION</b>	ASTM E 1745	CLASS C		CLASS A, B & C	
<b>TENSILE STRENGTH</b> 1" (2.54 cm) Average MD & TD (New Material)	ASTM E 154 Section 9 (D882)	22 lbs	98 N	58 lbs	258 N
<b>PUNCTURE RESISTANCE</b>	ASTM D 1709 *Method B	800 g		2600 g	
<b>MAXIMUM USE TEMPERATURE</b>		180°F	82°C	180°F	82°C
<b>PERMEANCE</b> (New Material)	ASTM E 154 Section 7  ASTM E 96 Procedure B	0.090 U.S. Perms	0.060 Metric Perms	0.025 U.S. Perms	0.016 Metric Perms
<b>RADON DIFFUSION COEFFICIENT</b>		N/A		< 0.25 x 10 <sup>-12</sup> m <sup>2</sup> /s	
<b>METHANE PERMEABILITY</b>	ASTM D 1434	N/A		< 5 x 10 <sup>-10</sup> m <sup>2</sup> /d•atm	

\*Method B conditioned at 65% humidity for 14 days.

### VaporBlock Plus Placement

Instructions on architectural or structural drawings should be reviewed & followed. Detailed installation instructions accompany each roll of **VaporBlock Plus**. ASTM E 1643 also provides general installation information for vapor retarders.



**VaporBlock Plus<sup>™</sup>** is a seven-layer co-extruded barrier made using high quality virgin-grade polyethylene and barrier resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission. **VaporBlock Plus** contains a bright white on one side and a metallic gold on the other side.

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. NO WARRANTIES ARE MADE 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.



**ISO 9001:2000**  
CERTIFIED MANAGEMENT SYSTEM