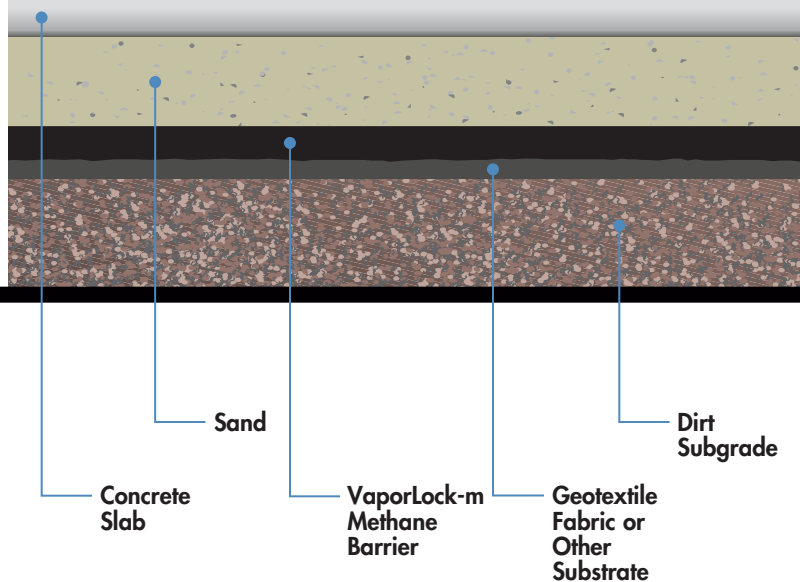


VAPORLOCK-m: YOUR SOLUTION TO METHANE MITIGATION

When soil reports indicate a need for methane mitigation for your site, VaporLock™ Methane Barrier [VaporLock-m] provides an impermeable, easy to install barrier solution to methane infiltration. What's more, VaporLock-m may help you remediate methane contamination at a lower installed cost than other applications available in your area - giving you greater opportunities for profitability or increased flexibility in your selling prices.



SEAMLESS METHANE BARRIER

- VaporLock-m is an independently-tested and City of Los Angeles approved (LA City #RR 25546) methane barrier membrane that is applied to a tough geotextile fabric or other substrate to prevent methane from entering the building through the foundation slab or other treated surfaces.
- VaporLock-m is a polymer-enhanced asphalt barrier that is seamlessly spray-applied to the substrate at a highly-protective thickness of at least 44 mils dry. The barrier's flexibility enables it to withstand thermal expansion and contraction with no compromise in performance.
- The impermeability and ease-of-application make VaporLock-m a reliable, cost-effective alternative for methane mitigation.

FROM THE LEADERS IN SPRAY-APPLIED BARRIER TECHNOLOGY

VaporLock-M comes to you from Tremco Barrier Solutions, with a heritage in spray-applied barrier technology stretching back more than 20 years. Since 1983, our team has sparked innovations in fluid membrane formulations and performance. And we offer more than two decades of experience installing spray-applied barriers – including TUFF-N-DRI® Basement Waterproofing System, the #1 brand of new basement waterproofing in North America.

INSTALLED BY TRAINED PROFESSIONALS

VaporLock-m is reliably installed by select contractors, trained by Tremco Barrier Solutions. Count on our contractors to professionally, promptly and courteously install VaporLock-m to your specifications and schedule.

SITE PREPARATION

- Provide a minimum 24 inches of clearance around the area to receive VaporLock-m.
- To avoid staining, apply masking or otherwise protect all adjacent areas or fixtures not to receive VaporLock-m.
- Moisture-condition and compact the subgrade to a minimum relative compaction of 90 percent or as specified by a civil engineer. Make sure the subgrade surface is free of debris and all dirt clods or stones larger than 1/4 inch, so that the finished surface is smooth and uniform.
- Properly secure all plumbing, electrical, mechanical and structural items that will penetrate VaporLock-m.

For more details about VaporLock-m™,
call your local Barrier Solutions Contractor:



VAPORLOCK-m SPECIFICATIONS

Barrier Membrane

Membrane Description

Type	Polymer-enhanced asphalt liquid-applied membrane
Color	Black
Solids	63 +/- 3 [percent by weight]
Density	8.1 lbs/gal
Application	Airless Spray
Application Temperature	Minimum 20°F
Coating Cure Time	16–24 hrs
Application Thickness	44 mils [dry] ¹ solid surface 60 mils [dry] ¹ geotextile fabric (including fabric)

Membrane Properties

Properties	Typical Results	Test Methods
Adhesion to Concrete	Exceeds	ASTM C-836
Elongation	>2000 percent	ASTM D-412
Low Temperature Flexibility	Flexible to -10°F	See ²
Crack Bridging Ability	Exceeds 10 cycles to 1/8" at -15°F	ASTM C-836
Water Vapor Permeance	0.08 perms for 40-mil dry coating [grain/sf/hr in Hg]	ASTM E-96 Dry Method
Liquid Water Absorption	0.3% [wt]	ASTM D-1228 ³
Resistance to Degradation in Soil	Good	ASTM E-154
Mold Growth and Bacterial Attack	No degradation	ASTM D-3273 ASTM D-3274

¹ Membrane mill thickness based upon local code or engineering consideration.

² Bend membrane compound around 1" mandrel.

³ 72 hour water soak 1" x 2" x 0.40" samples of membrane compound.

Geotextile Fabric

Mechanical [MARV] ¹	Typical Results	Test Methods	Endurance [MARV] ¹	Typical Results	Test Methods
Grab Tensile Strength	250 lbs	ASTM D-4632	UV Resistance @500 hrs	70%	ASTM D-4355
Grab Elongation	60%	ASTM D-4632	Physical [MARV]¹	Typical Results	
Trapezoidal Tear Strength	90 lbs	ASTM D-4533	Unit Weight	6.0 oz/sq yd	
Puncture Strength	81 lbs	ASTM D-4833			

¹ Minimum average roll values [MARV] in the weaker principal direction.