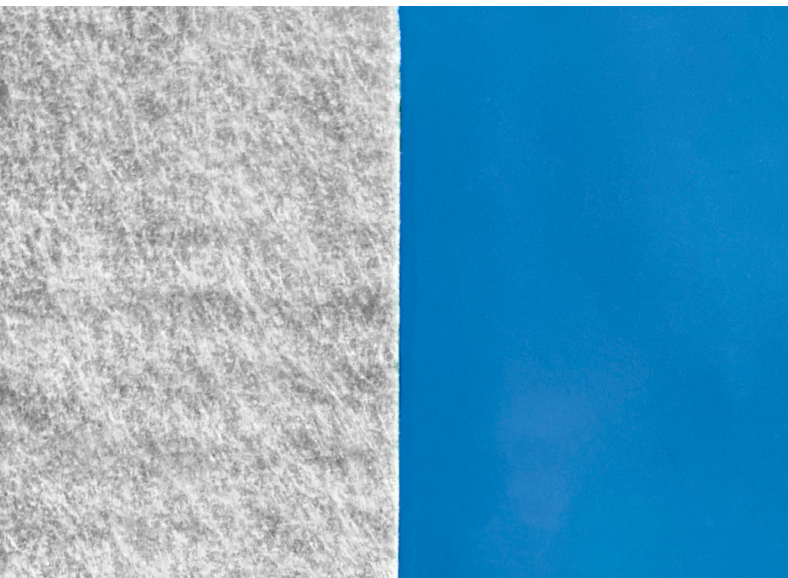




## Geo-Seal® EV40



### Product Description

**Basic Use:** Geo-Seal EV40 is a standalone geocomposite EVOH passive barrier system used to mitigate vapor intrusion for sites deemed to be low risk. Geo-Seal EV40 may also be used in conjunction with an active sub-slab mitigation to increase system efficiency and provide an additional layer of redundancy. Geo-Seal CORE, a specially formulated asphalt emulsion, is applied within the Geo-Seal EV40 seam overlap, around pipe penetrations, and at termination, points to eliminate the need for costly tape. Combining a sheet membrane with spray-applied detailing helps increase installation efficiency while also ensuring a robust seal in critical areas.

**Composition:** Geo-Seal EV40 is a 41-mil composite EVOH geomembrane with a 3 oz. geotextile bonded to one side to increase tensile and puncture strength. Geo-Seal EV40 also exceeds all Class A, B, and C vapor barrier requirements.

### Benefits

- EVOH geocomposite sheet membrane provides increased thickness and robustness over similarly priced sheet membranes.
- Geotextile backing enhances tensile strength and puncture resistance, while also increasing seam strength and durability.
- Geo-Seal EV40 can easily be smoke tested to ensure proper installation and quality control measures.
- Meets class A, B, and C vapor barrier standards.

### Limitations

- A more robust composite system should be utilized for sites with elevated risk or more complex applications as thinner mil vapor intrusion barriers are less durable and less puncture resistant than thicker composite systems offered by EPRO.

- Additional geotextile may be required to cushion the Geo-Seal EV40s system from additional aggregate layers.

### Technical Data

Properties: See physical properties table

Coverages: One roll covers 1200 square feet, not including overlaps or waste

Specification Writer: Contact EPRO before writing specifications on this product

### Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Rolls should be inspected for damage prior to application.

Application: Please refer to manufacturer's specifications. Overlap the seams of Geo-Seal EV40 a minimum of 6" and with a 60 mil application of Geo-Seal CORE in the seam overlap.

### Availability and Packaging

Contact a local EPRO installer or authorized applicator ([www.eproinc.com](http://www.eproinc.com)).

Roll Size: 12' x 100' unfolded rolls, 165 lbs.

### Warranty

**Limited Warranty:** EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to repair the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

### Equipment

**Seaming:** AD-55 Sprayer, available through EPRO for application of Geo-Seal CORE in seam overlaps.

**Smoke Testing:** EPRO Smoke Test Machine for underslab applications

### Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or [www.eproinc.com](http://www.eproinc.com).



## Geo-Seal® EV40

### Typical Physical Properties

Physical Property	Test Method	Value
Film Material.....		Polyethylene & EVOH
Film Color.....		White/Blue
Weight.....		618 g/m <sup>2</sup>
Film Thickness.....		41 Mil
Water Vapor Permeance.....	ASTM E96	0.0098 perms
Tensile Strength.....	ASTM D882	61 lbf
Elongation.....	ASTM D882	730%
Puncture Resistance.....	ASTM D1709	2600 grams
Life Expectancy.....	ASTM E154	Infinite
Low Temp. Impact.....	ASTM D1790	Resistant to 105° C
Methane Gas Permeance.....	ASTM D1434	3.68 x 10 <sup>-12</sup> m/s
Benzene Gas Permeance.....	Queens University	1.13 x 10 <sup>-10</sup> m <sup>2</sup> /sec
TCE Gas Permeance.....	Queens University	7.66 x 10 <sup>-11</sup> m <sup>2</sup> /sec
PCE Gas Permeance.....	Queens University	7.22 x 10 <sup>-11</sup> m <sup>2</sup> /sec
Classification.....	ASTM E1745	Class A, B & C

Dimensions: 12' x 100'

Weight: 165 lbs.