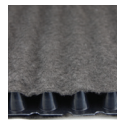




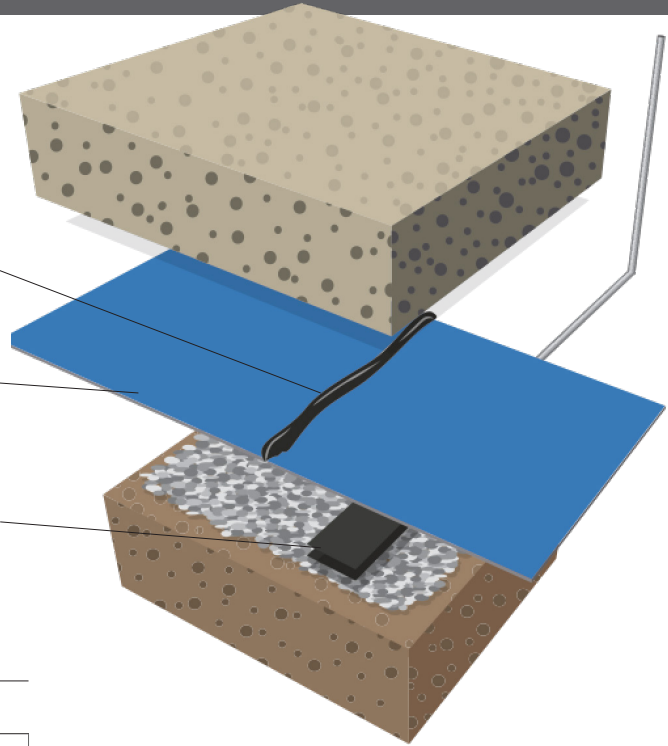
Geo-Seal CORE  
(spray applied  
polymer modified  
asphaltic membrane)



Geo-Seal EV40  
(EVOH/Geotextile)



Vapor-Vent System



System: Geo-Seal EV40s

Application: Underslab Contaminant Vapor Barrier    System Thickness: 41 mils

	1st Layer	Seaming Material
Product Name	Geo-Seal EV40	Geo-Seal CORE

## DESCRIPTION

Geo-Seal® EV40s is a significant improvement over existing single sheet membranes. Geo-Seal EV40s consists of an EVOH membrane combined with a robust geotextile layer to provide a single sheet vapor intrusion barrier that is chemically-resistant and easy to install, while also providing improved protection during the installation process.

Geo-Seal® EV40s is ideal for lower risk sites where site concentrations are lower than state-specific screening levels, large flat and open areas where fast installation times are required, or where active sub-slab ventilation systems are utilized.

## BENEFITS

- **Spray Seams:** Geo-Seal® CORE spray membrane to seal seams, detail penetrations and terminate the membrane to concrete surfaces
- **Not Corrosive:** Will not corrodelike metalized film membranes.
- **EVOH:** EVOH provides enhanced chemical vapor protection and lower permeation rates than thicker HDPE membranes.
- **Single-Source Warranty:** EPRO can be a single point of contact to address building vapor intrusion and waterproofing needs.
- **Class A:** Class A vapor barrier that alone will meet the basic water vapor barrier requirements for new construction.

## LIMITATIONS

- Do not apply below 20°F or to damp, frozen or contaminated surfaces.
- Contact EPRO for waterproofing system recommendations.

### SPECIFICATIONS, DRAWINGS, AND TECHNICAL ASSISTANCE

The most current specifications and drawings can be found on [www.eproinc.com](http://www.eproinc.com). For project specific details contact EPRO directly, or your local EPRO representative.

Site conditions, performance goals, and budget determine which system is most appropriate for a given project. For more information regarding product performance, testing, plan review, or general technical assistance, please contact EPRO.

### WARRANTY

EPRO provides a wide range of warranty options for Geo-Seal systems. For a project to be eligible for any warranty option beyond a 1-year material warranty, a Geo-Seal Authorized Applicator must be used and the project must be registered and approved by EPRO prior to the commencement of any product application.

Warranty options available for this system include:

- Material warranty
- Longer warranty periods are available. Contact EPRO for more information.

Physical Property	Test Method	Value
Film Material.....		Polyethylene & EVOH
Film Color.....		White/Blue
Weight.....		618 g/m <sup>2</sup>
Tensile Strength .....	ASTM D 412.....	61 psi
Elongation .....	ASTM D 412.....	730%
Adhesion to Concrete .....	ASTM D 903.....	8 lbf/in
Puncture Resistance .....	ASTM D 1709.....	2600 lbf
Hydrostatic Head Resistance.....	ASTM D 5385.....	100 psi (231 ft)
Water Vapor Transmission .....	ASTM E 96 .....	0.033 perms
Water Vapor Permeance.....	ASTM E 96 .....	0.0098 perms
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