



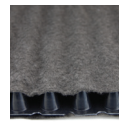
Geo-Seal BOND
(HDPE/Geotextile)



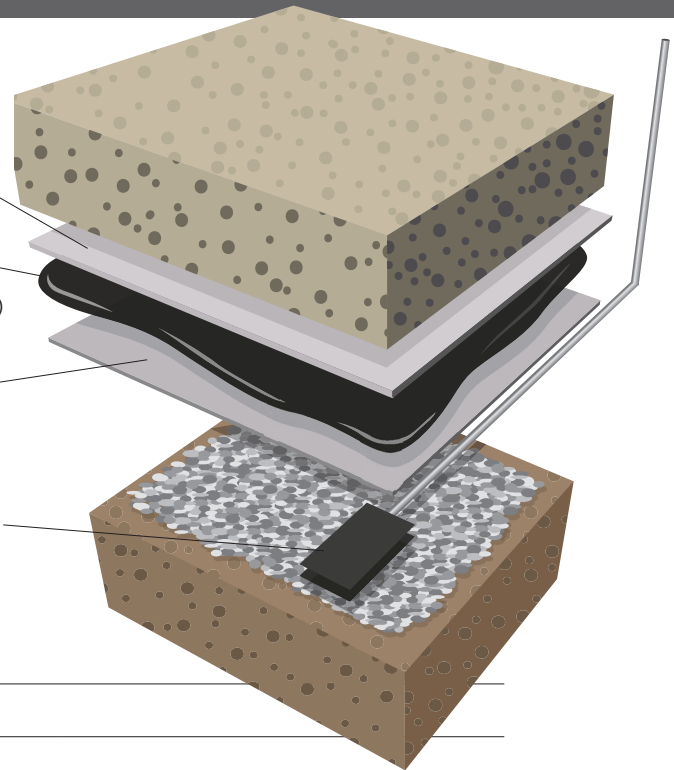
Geo-Seal CORE
(spray applied
polymer modified
asphaltic membrane)



Geo-Seal FILM 11
(HDPE)



Vapor-Vent System



System: Geo-Seal 60 Vapor Intrusion Barrier

Application: Underslab Contaminant Vapor Barrier

System Thickness: 59 mils

	1st Layer	2nd Layer	3rd Layer
Product Name	Geo-Seal FILM 11	Geo-Seal CORE 30 mil	Geo-Seal BOND 18 mil

DESCRIPTION

Geo-Seal® 60 is designed to provide a cost-effective alternative for sites desiring a preemptive mitigation solution, but also wish to have a vapor intrusion barrier that is more robust and resistant to construction traffic than simple single sheet membranes. While simple single sheet membranes may be able to provide robust chemical resistance, they often lack the robust seals around penetrations and termination points. They are also more prone to punctures during the construction process.

Geo-Seal® 60 makes the decision easy for those debating whether to employ a simple single sheet membrane or utilize a thicker, more robust barrier to protect human health at similar price points.

BENEFITS

- **Class A:** Class A vapor barrier that alone will meet the basic water vapor barrier requirements
- **Durable:** Three layers of complementary contaminant vapor barrier materials create a thick and redundant composite system superior to single sheet barrier systems.
- **Chemical Resistant:** Constructed with multiple highly chemical resistant sheets and polymer-modified asphaltic membrane to form a robust composite barrier.
- **Seamless:** Spray-applied Core layer ensures complete sealing of building foundation without mechanical fastening.
- **Bonded:** Mechanically adheres directly to the foundation slab.
- **Single-Source Warranty:** EPRO can be a single point of contact to address building owners vapor intrusion and waterproofing needs.

LIMITATIONS

- Do not apply below 20°F or to damp, frosty 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. 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
Tensile Strength	ASTM D 412.....	527.7 psi
Elongation	ASTM D 412.....	45%
Adhesion to Concrete	ASTM D 903.....	8 lbf/in
Puncture Resistance	ASTM D 4833.....	98 lbs
Hydrostatic Head Resistance.....	ASTM D 5385.....	100 psi (231 ft)
Water Vapor Transmission	ASTM E 96	0.020 perms
Methane Transmission	ASTM D 1434.....	Passed
Naphthalene Diffusion Rate.....	Geokinetics	$5.30 \times 10^{-17} \text{ m}^2/\text{sec}$
PCE Diffusion Rate.....	Geokinetics	$1.16 \times 10^{-17} \text{ m}^2/\text{sec}$
Benzene Diffusion Rate.....	Geokinetics	$2.31 \times 10^{-18} \text{ m}^2/\text{sec}$
Classification.....	ASTM E1745	Class A, B & C