



## Geo-Seal® BASE



### Product Description

**Basic Use:** Geo-Seal BASE is designed to be a sturdy and versatile base course for Geo-Seal vapor intrusion barrier system. Geo-Seal BASE blends the durability of a geotextile fabric with the chemical resistant benefits of a high density polyethylene (HDPE) sheet into one geocomposite membrane. When combined with Geo-Seal CORE and Geo-Seal BOND, the redundant Geo-Seal system prevents harmful vapors from permeating the slab, protecting the health and well-being of building occupants.

**Composition:** Geo-Seal BASE is a base course comprised of an HDPE film and non-woven polypropylene geotextile fabric. The film is cross laminated to create ridges that enhance the bond between the Geo-Seal BASE and Geo-Seal CORE.

### Benefits

- Leverages the strengths of two materials to maximize performance
- Geotextile enhances thermal stability and puncture strength
- Ideal weight and rigidity for horizontal applications
- Provides methane gas and chemical vapor protection

### Limitations

- Excessive moisture needs to be removed prior to Geo-Seal CORE application

### Technical Data

**Properties:** See physical properties table

**Coverages:** One roll covers 1800 square feet, not including overlaps or waste

**Specification Writer:** Contact EPRO before writing specifications on this product. Additional test information available upon request.

### Installation

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

**Application:** Please refer to manufacturer's specifications. Overlap the seams of Geo-Seal BASE six inches with a 30 mil application of Geo-Seal CORE in the seam overlap.

### Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators ([www.eproinc.com](http://www.eproinc.com)).

**Roll Size:** 12' x 150' unfolded rolls, 108 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 retreat 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 into 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).



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## Typical Physical Properties

Physical Property	Test Method	Results
Film Thickness .....		5 mil
Composite Thickness.....		18 mil
Water Vapor Permeability.....	ASTM E96 .....	0.214
Adhesion to Concrete .....	ASTM D1970.....	9.2 lbs/inch <sup>2</sup>
Dart Impact.....	ASTM D1790.....	>1070 gms, method A
.....		594 gms, method B
Puncture Properties Tear .....	ASTM B2582 MD.....	11,290 gms
.....	ASTM B2582 TD .....	13,150 gms

