



## Geo-Seal® BOND



### Product Description

**Basic Use:** Geo-Seal BOND has been specifically designed to for use as a high performance protection course for application over Geo-Seal CORE in Geo-Seal system assemblies. In addition to the advantages gained by combining a high density polyethylene film (HDPE) and geotextile, Geo-Seal BOND mechanically bonds the Geo-Seal system to the concrete slab.

**Composition:** Geo-Seal BOND is an extremely durable, high strength protection course made from the lamination of HDPE film and nonwoven polypropylene geotextile fabric.

### Benefits

- Forms a mechanical bond directly to concrete
- Leverages the strengths of two materials to maximize performance and puncture resistance
- Minimal seams with 12' x 150' rolls
- Provides a contrasting protection course that increases ability to identify post installation damage

### Limitations

- Bonding to underlying Geo-Seal CORE layer might take longer in colder temperatures

### 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. 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. Geo-Seal BOND may be applied over a nominally cured Geo-Seal CORE membrane.

**Application:** Should be applied in accordance with specific application guide specifications. Whenever possible, Geo-Seal BOND should be applied perpendicular to the underlying base course. Overlap all seams a minimum of 6" with seam overlap detail per project specification.

### Availability and Packaging

Contact a local EPRO installer or authorized applicator ([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 in seam overlaps, or by hand using Geo-Seal CORE Detail.

### 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® BOND

## Typical Physical Properties

Physical Property	Test Method	Value
Film Material.....		HDPE
Film Color.....		White
Fabric Material.....		Non-woven Polypropylene
Fabric Color.....		White
Film Thickness.....		5 Mil
Composite Thickness.....		18 Mil
Tensile @ ULT .....	ASTM D 882.....	TD 32.0 lbs/in MD 37.3 lbs/in
Elongation @ ULT .....	ASTM D 882.....	TD 65.3% MD 51.0%
Dart Impact .....	ASTM D 1709 .....	Method A >1070 grams Method B 894 grams
Modulus .....	ASTM D 882.....	TD 270.6 lbs/in MD 295.5 lbs/in
Elmendorf Tear .....	ASTM D 1922.....	TD 5,140 grams MD 5,260 grams
Puncture-Prop Tear .....	ASTM D 2582.....	TD 13,250 grams Sled: 1-lb MD 11,290 grams Sled: 1-lb
Beach Puncture Tear .....	ASTM D 751.....	TD 165 in-lbs MD 160 in-lbs
Water Permeance .....	ASTM E 96 .....	0.11 perms (US)

Dimensions: 12' x 150'

Weight: 108 pounds