



Geo-Seal® FILM 11



Product Description

Basic Use: Geo-Seal 60 vapor intrusion barrier system utilizes Geo-Seal FILM 11 as a base course. Applied prior to application of Geo-Seal CORE and Geo-Seal BOND. Geo-Seal FILM 11 provides a lower cost alternative to Geo-Seal BASE, while providing a nice compromise between the characteristics of Geo-Seal BASE and the more robust EPRO system product e.base 316.

Composition: Geo-Seal FILM 11 is a 11 mil geomembrane comprised of high density polyethylene (HDPE). While Geo-Seal FILM 11 is always installed as a component of EPRO's Geo-Seal system assemblies, it alone exceeds all Class A, B, and C vapor barrier requirements.

Benefits

- Excellent chemical resistance
- Large roll size drastically minimizes seams
- Meets class A, B, and C vapor barrier standards
- Impermeable to water when installed as part of the composite system

Limitations

- Should not be used as the sole means of building protection
- Additional weight should be used during application in windy conditions
- Excessive moisture must be removed prior application of Geo-Seal CORE

Technical Data

Properties: See physical properties table

Coverages: One roll covers 2550 square feet, not including overlaps or waste

Specification Writer: Contact EPRO before writing specifications on this product. Geo-Seal system assemblies should be reviewed in order to meet project specific site conditions.

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 FILM 11 a minimum of 6" and with a 30 mil application of Geo-Seal CORE in the seam overlap.

Availability and Packaging

Contact a local EPRO installer or authorized applicator (www.eproinc.com).

Roll Size: 12.75' x 200' folded rolls, 135 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.

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.



Geo-Seal® FILM 11

Typical Physical Properties

| Physical Property | Test Method | Value |
|-----------------------------------|------------------------------|--|
| Material..... | | HDPE |
| Color | | Green |
| Thickness | | 11 mil |
| Classification..... | ASTM E 1745 | Exceeds Class A, B & C |
| Water Vapor Permeance | ASTM E 96 | .020 perms |
| Tensile Strength | ASTM E 154 (ATSM D 882)..... | 50 lbf/in |
| Puncture Resistance | ASTM D 1709..... | 2,400 grams Method B |
| Life Expectancy..... | ASTM E 154 | Indefinite |
| Radon Diffusion Coefficient | K124/02/95..... | $2.5 \times 10^{-11} \text{ m}^2/\text{s}$ |
| Chemical Resistance..... | ASTM E 154 | Unaffected |

Dimensions: 12.75' x 200'

Weight: 135 pounds