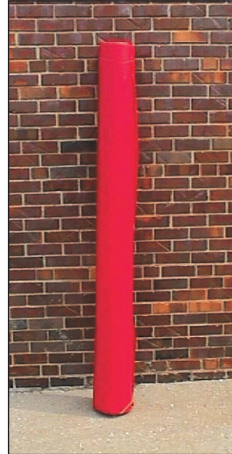


IS TOUGH TO BEAT FOR PROTECTION



High Strength Polyolefin Geomembrane Protection

- High puncture resistance... has six times the puncture resistance of extruded foam board.
- Impermeable to water...additional relief from hydrostatic water pressure, resistance to contaminants.
- Durable...resistant to installation and backfill damage.
- 12'x150' rolls minimize seams.
- Protects membrane, acts as a slip-sheet for backfill and drainage mat.
- Under slab vapor barrier.

PROPERTIES	ASTM	Thickness: 8 mil	Thickness: 10 mil	Thickness: 15 mil
Classification:	ASTM E-1745	Class C	Class A, B & C	Class A, B & C
Water Vapor Permeance	ASTM E-96	0.014 perms	0.0046 perms	0.0038 perms
Tensile Strength	ASTM E-154 (ASTM D-882)	24.59 lbf/in	54 lbf/in	93 lbf/in
Puncture Resistance	ASTM D-1709	876 grams	3,905 grams	5,300 grams
Life Expectancy	ASTM E-154	Indefinite	Indefinite	Indefinite
Chemical Resistance	ASTM E-154	Unaffected	Unaffected	Unaffected
Low Temperature Impact	ASTM D-1790	Resistant to: -105°C	Resistant to: -105°C	Resistant to: -105°C
Methane Gas Modified	ASTM D-1434	0	0	0
ACI 302.1 R-96 Minimum				
Thickness 10-mils		Less than 10-mils	Exceeds	Exceeds

Ecoshield-E Meets or exceeds additional American Standard Testing Material (ASTM) Specifications:

- ASTM D-1248 Standard Specification for polyethylene plastic
- ASTM D-2103 Standard Specification for polyethylene film and sheeting
- ASTM D-4397 Polyethylene sheeting for construction, industrial and agricultural application
- ASTM E-154 Materials for use as vapor barriers under concrete slabs
- ASTM C-156 As ground cover in crawl spaces

APPROVALS: City of Los Angeles Research Report #25478 for methane barrier.

Packaging: Available in the following roll dimensions: **8 mil** - check for available sizes, **10 mil** - 12' x 150' , **15 mil** - 12' x 150'

EPRO SERVICES
P.O. Box 347
Derby, KS 67037 USA



Phone: 800-882-1896
Fax: 316-262-2529
www.eproserv.com

ECOSHIELD-E 8, 10 & 15 Specifications

1. PRODUCT NAME

**ECOSHIELD-E8
ECOSHIELD-E10
ECOSHIELD-E15**

2. MANUFACTURER

EPRO SERVICES, INC.
P.O. Box 347
Derby, KS 67037
PHONE: 800-882-1896
FAX: 316-262-2529

3. PRODUCT DESCRIPTION

Basic Uses: (1) Ecoshield-E8, 10 and 15 have been specifically designed to provide a cost effective and high performance protection course for both vertical and horizontal below grade waterproofing membranes. They also act as a slip sheet for backfill and as a secondary independent waterproofing barrier. When used in detailing for specific water penetration points (i.e. cold joints, brick ledges, pipes), they enhance the tensile strength of the other detailing products. (2) Ecoshield-E 8, 10 & 15 are high performance under slab vapor barriers. The Ecoshield-E 10 & 15 barriers exceed the requirements of ASTM E 1745 class A, B, and C. Ecoshield-E 8 exceeds the requirements of class C.

Composition: ECOSHIELD-E 8, 10 & 15 are extremely tough, high strength geo-membranes made from a custom blend of polyolefin copolymers.

Benefits:

- High puncture resistance – has six times the puncture resistance of extruded foam board.
- Impermeable to water...offers additional relief from hydrostatic water pressure and resistance to earth contaminants.
- Durable...resistant to installation and backfill damage.
- Large roll sizes minimize seams.
- Protects membrane – acts as slip-sheet for backfill and drainage mat.
- Fully protects membrane at brick ledge and at footer to drain pipe.
- Easy to incorporate into detailing specific penetration points with other products.

Limitations:

- Should be stored out of weather.
- Should not be used in lieu of high-flow drainage mat if it is required .

4. TECHNICAL DATA

Properties: See chart.

Coverages: See chart.

Specification Writer: Contact EPRO Services before writing specifications on this product. Test information available upon request.

5. INSTALLATION

Preparation & Application: Should be applied in accordance with specific application guide specifications.

Tools: No special tools required for installation.

6. AVAILABILITY AND COST

Contact the local distributor and/or Authorized Applicator for availability and cost.

7. WARRANTY

Limited Warranty: 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.

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES AND INFORMATION

Complete technical services and information are available from EPRO Services.

