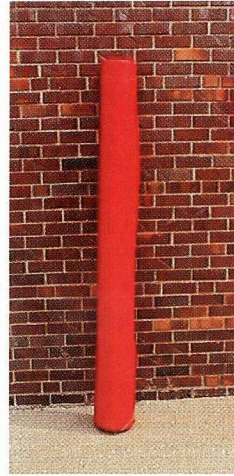


# ECOSHIELD-E Sheet Membrane

**IS TOUGH TO BEAT FOR PROTECTION**



## High Strength Polyethylene 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 contaminates.
- Durable...resistant to installation and backfill damage.
- 12'x120' rolls minimize seams.
- Protects membrane, acts as a slip-sheet for backfill and drainage mat.

PROPERTIES	ASTM	8 mil	10 mil	15 mil
Puncture Resistance:	ASTM D 1709	475 g.	1593 g.	1,898 g.
Tensile Strength:	ASTM E 154	24.59 lbs. MD	34.6 lbs. MD	39.7 lbs. MD
Tear Resistance:	ASTM E 96	NA	5.98 lbs	8.74 lbs
Low Temperature Impact:	ASTM D1790	Resistant to -105°C	Resistant to -105°C	Resistant to -105°C
Water Vapor Trans. Rate	ASTM E 96	.00711 g./ft./hr.	0.00621 g./ft./hr.	0.00585 g./ft./hr.
Perm Rating:	ASTM E 96	.0143	0.0133	0.0123
Chemical or Environmental Resistance		Excellent	Excellent	Excellent
Methane Gas Modified	ASTM D 1434	0	0	0

### Meets or exceeds 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** - 6' x 120', 8' x 120', 10' x 120', **10 mil** - 12' x 120', **15 mil** - 12' x 120'

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



Phone: 800-882-1896  
Fax: 316-262-2529

# ECOSHIELD-E 8, 10 & 15 Specifications

## 1. PRODUCT NAME

**ECOSHIELD-E8  
ECOSHEILD-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 Use:** ECOSHIELD-E 8, 10 & 15 has been specifically designed to provide cost effective and high performance protection for the waterproofing membrane on vertical below-grade waterproofing applications. They also act as a slip-sheet for backfill and as a secondary independent waterproofing membrane. 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. They are also used as a superior performing vapor and gas barriers (underslab).

**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 project. 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.

