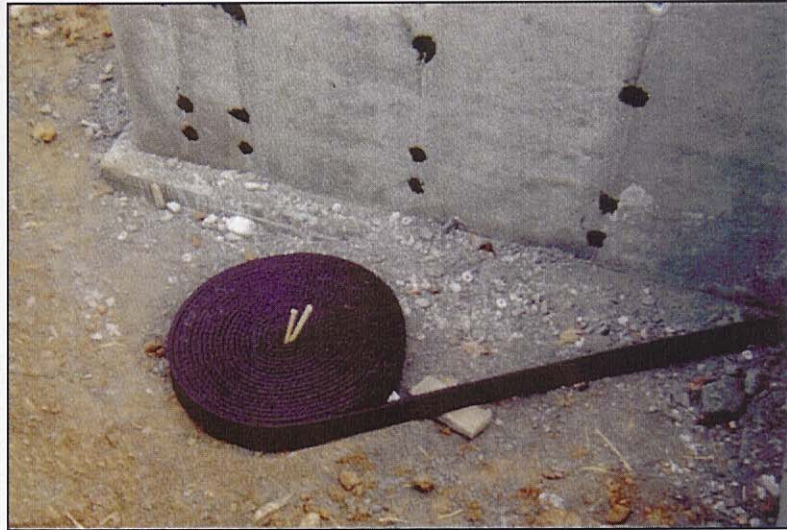


*Strips Away The Cost Of Pipe And Gravel*



## Economical and Effective Footer Drainage System

- Higher flow rate provides better performance
- Economically priced
- No pipe or gravel necessary
- Installation is not hindered by weather conditions
- Increases overall construction productivity

DRAIN PROPERTIES	TEST METHOD	ECODRAIN-DS	
Compressive Strength .....	ATSM D-1621 .....	6,000-9,000 lbs/sq. ft.	
Shear Strength .....	ATSM D-1621 .....	6,000-9,500 lbs/sq. ft.	
Peel Strength .....	ATSM D-1876 .....	38 lbs./ft.	
Fungus Resistance (core) .....	ATSM G-21 .....	No Growth	
In-plane flow (Hydraulic gradient-0.1, loading-10 psi) ...	ATSM D-4716 .....	21 gpm/ft. of width	
Unobstructed inflow area Pavement side .....		85%	

FABRIC PROPERTIES	TEST METHOD	ECODRAIN-DS	ECODRAIN-DS
Material .....		4.0 oz. Polypropylene .....	4.5 oz. Polypropylene
Weight .....	ATSM D-3776 .....	4.0 oz. ....	4.5 oz.
Grab Tensile Strength .....	ATSM D-4632 .....	115 lbs. ....	120 lbs.
Puncture Strength .....	ATSM D-3787 .....	70 psi .....	80 psi
Trapezoidal Tear .....	ATSM D-4533 .....	50 lbs. ....	60 lbs.
Mullen Burst Strength .....	ATSM D-3786 .....	240 psi .....	270 psi
Elongation .....	ATSM D-4632 .....	50% .....	50%
EOS (AOS) .....	ATSM D-4751 .....	80 .....	80
Permeability .....	ATSM D-4491 .....	.20 cm/sec. ....	.20 cm/sec.
Flow Rate .....	ATSM D-4491 .....	170 gpm/ft <sup>2</sup> .....	105 gpm/ft <sup>2</sup>
UV Stability (500 hours) .....	ATSM D-4355 .....	85% Retained .....	85% Retained
Fungus Resistance .....	ATSM D-G21 .....	No Growth .....	No Growth

### DIMENSIONAL DATA

Thickness .....	1"
Standard Widths .....	6", 12", 18", 24", 36"
Roll Length .....	150 ft. (100 ft. for 6" & 36" widths)
Roll Diameter .....	7 ft.
Roll Weight .....	30, 60, 90, 120, & 180 lbs.

\*\*Q@518 psf & Hydraulic Gradient=1.0

APPROVALS: NES ... NER569

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



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

## 1. PRODUCT NAME

### ECODRAIN-DS

## 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:

ECODRAIN-DS has been specifically designed for installation at the base (footer) of foundation wall for the collection and removal of water away from the underground structure.

ECODRAIN-DS drainage composites effectively eliminate hydrostatic pressure against below-grade structures and aid in de-watering saturated soil by collecting and conveying groundwater to daylight discharge points or sump pumps.

### Composition:

ECODRAIN-DS features a lightweight three-dimensional/high flow drainage core wrapped with a non-woven filter fabric. The filter fabric allows water to pass freely into the molded drain core, while preventing soil particles from entering and clogging the core structure thus allowing water pressure to move the water through the flow channels significantly increasing the effectiveness and service life of the underground structure.

### Benefits:

Can be installed in almost any weather condition.  
Resistant to chemical attack.  
Excellent compressive strength prevents collapsing of flow channel.  
Fabric ensures uninterrupted water flow.

### Limitations:

Should not be exposed to long duration of UV.

Application depth of 30 ft. for ECODRAIN DS

## 4. TECHNICAL DATA

**Properties:** See Chart

**Coverage's:** See Chart

### Specification Writer:

Contact EPRO Services before writing specifications on this project. Test information available upon request.

## 5. INSTALLATION

**Preparation:** See specific application guide specifications.

**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 implies 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.  
Rev ED 11.08.00

