

ECODRAIN-DS Footer / Strip Drainage

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 4.0 oz.	ECODRAIN-DS 4.5 oz.
Material		Polypropylene	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-449120 cm/sec.20 cm/sec.
Flow Rate	ATSM D-4491	170 gpm/ft ²	105 gpm/ft ²
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"
Roll Length	150 ft. (100 ft. for 24" width)
Roll Diameter	7 ft.
Roll Weight	30, 60, 90, & 120 lbs.

**Q@518 psf & Hydraulic Gradient=1.0

APPROVALS: NES ... NER569

EPRO SERVICES, INC.
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ECODRAIN-DS Specifications

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

