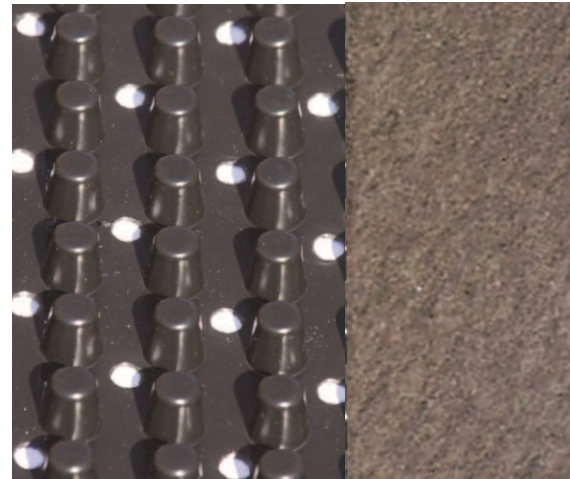


ERS 500 Series consists of a punched polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is punched to allow double sided drainage, then bonded to a layer of nonwoven filter fabric on each side of the core. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass through the drainage core. Collected water is then conveyed to ERS-PWD or other subdrain collection system.

APPLICATIONS

- Trench Drains
- Interceptor Drains
- Landfill Enclosures
- Sloped Embankments



CORE PROPERTY	TEST METHOD	ENGLISH	METRIC
Compressive Strength	ASTM D1621	15,000 psf	719 kNm ²
Thickness	ASTM D1777	0.40 in	10.16 mm
Flow (Hydraulic Gradient =1)	ASTM D4716	21 g/min/ft	260 L/min/m

FABRIC PROPERTY	TEST METHOD	ENGLISH	METRIC
Flow	ASTM D4491	140 g/min/ft ²	5704 l/min/m ²
CBR Puncture	ASTM D6241	250 lbs.	1.11 kN
AOS(EOS)	ASTM D4751	70 US Std. Sieve	0.212 mm
Grab Tensile	ASTM D4632	100 lbs.	0.45 kN
Grab Elongation	ASTM D432	50%	50%

ROLL PROPERTY	ENGLISH	METRIC
Roll Dimensions	4 x 50 ft	1.22 x 15.24 m
Roll Weight	50 lbs.	22.68 kgs,

ERS 500

Maintains a very high flow rate while providing a higher compressive strength for greater depths. It is designed for use where doubles-sided drainage is needed.



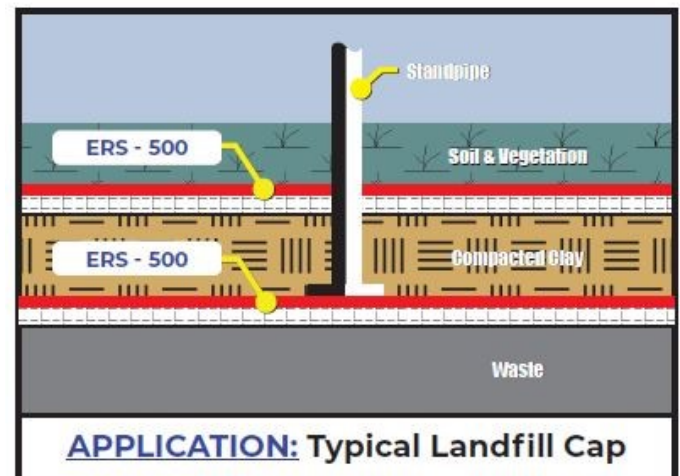
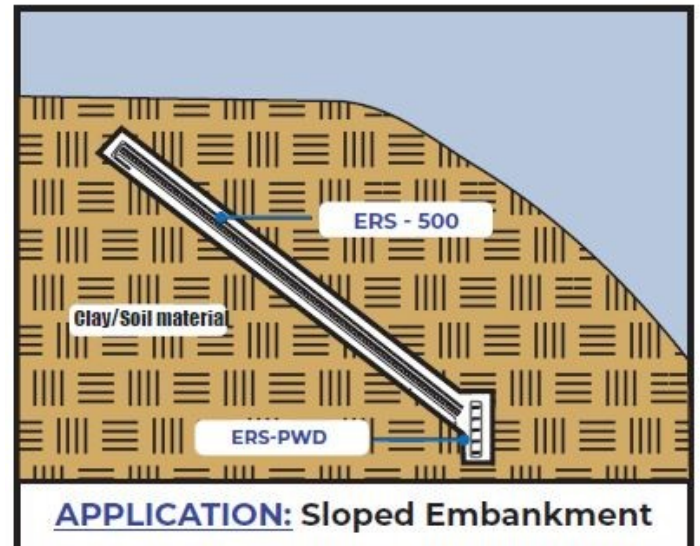
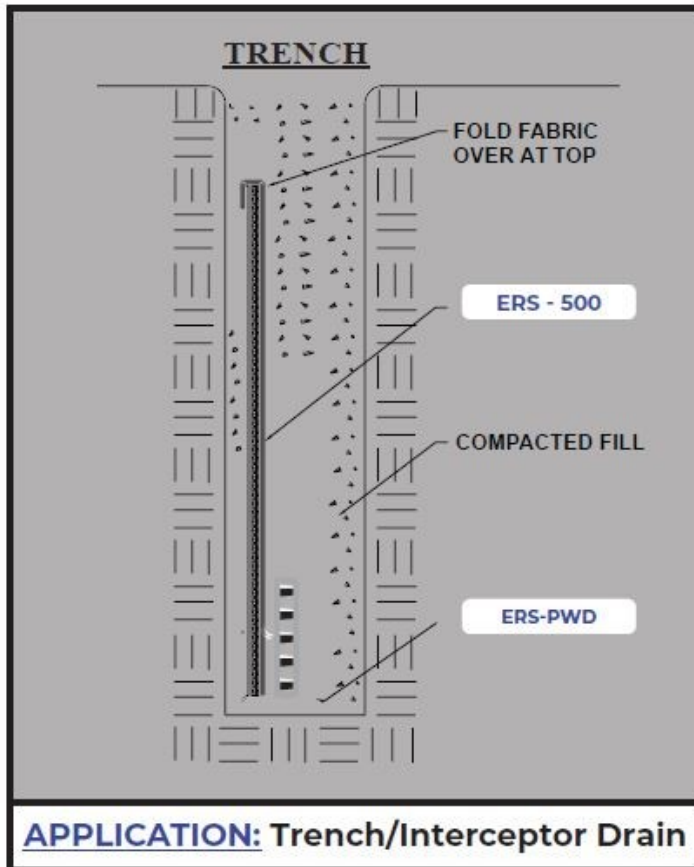
Earth Retention, LLC

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ERS 500 SERIES

PREFABRICATED DRAINAGE COMPOSITES



The information contained herein is believed to be accurate and is offered solely for the customer's consideration, investigation, and verification. Determination of suitability for use is the responsibility of the user. Earth Retentions' Limitations, Limited Warranty, & Disclaimer along with Standard Terms & Conditions apply.

LIMITATIONS: ERS 500 is resistant to chemicals in normal soil environments. However, so reagents may affect the performance of ERS 500. An Earth Retention representative should be contacted for further information to determine the suitability of use of ERS 500 in unusual soil environments. ERS 500 should be limited to its exposure to ultra-violet sunlight. ERS 500 should be backfilled or covered within seven(7) days of installation.

DISCLAIMER: All information, drawings, specifications are based on the latest published information at the time of printing. Earth Retention reserves the right to make changes due to manufacturing improvements and engineering at any time. All physical properties are minimum average roll vales (MARV). Standard variations of 10% in mechanical properties and 15% in hydraulic properties are normal.



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