ERS
Design+Supply+Support

Prefabricated
Drainage Composites

earthretention.com

ERS - 500 Series

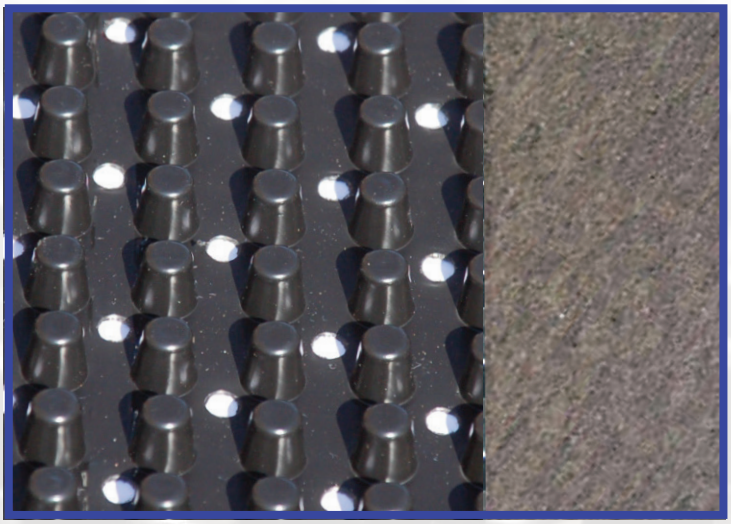
APPLICATIONS

Trench Drains

Interceptor Drains

Landfill Enclosures

Sloped Embankments



ERS - 500 consists of a punched polymeric sheet cuspated 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 into the drainage core. Collected water is then conveyed to ERS-PWD or subdrain collection systems.

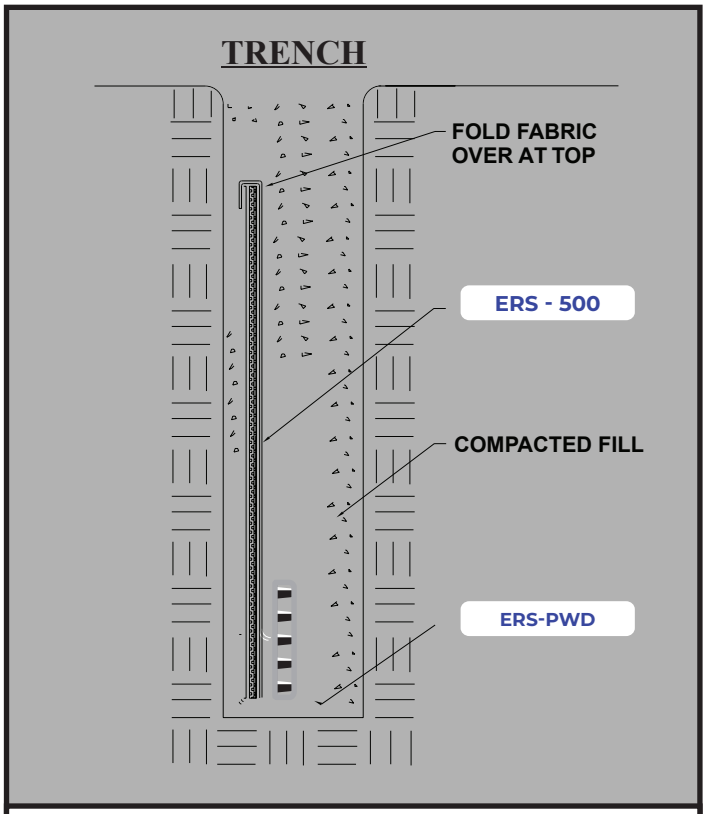
ERS - 500 maintains a very high flow rate while providing a higher compressive strength for greater depths. It is designed for use where double sided drainage is needed. Ideal for trench drains, interceptor drains, sloped embankments, and landfill enclosures.

ERS Georgia:
231 Rope Mill Parkway
Woodstock, GA 30188
Phone: (678) 903-3614 | Email: info@ersdb.com

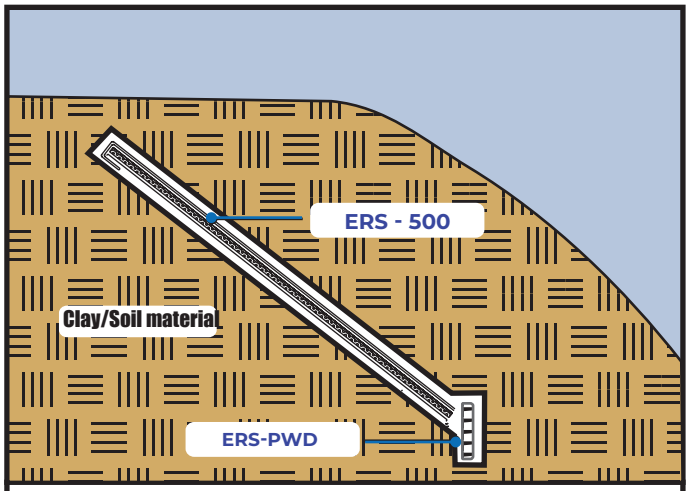
ERS Virginia:
116 Edwards Ferry Road NE, Unit S
Leesburg, VA 20176
Phone: (301) 642-0049 | Email: info@ersdb.com

ERS Florida: Tampa, FL | Phone: (813) 523-0066 | Email: info@ersdb.com

MADE IN THE UNITED STATES OF AMERICA
ERS

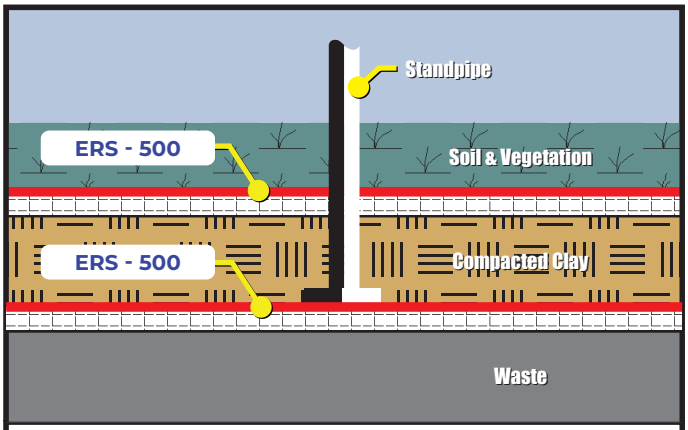


APPLICATION: Trench/Interceptor Drain



APPLICATION: Sloped Embankment

ERS - 500 Series



APPLICATION: Typical Landfill Cap

Physical Properties

Core

Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm^2)
Thickness (ASTM D-1777)	.40 in. (10.16 mm)
Flow (Hydraulic gradient =1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)

Roll Length	Roll Width	Roll Weight
50 ft (15.24 m)	4 ft (1.22 m)	50 lbs.

Fabric

Flow (ASTM D-4491)	140 gal/min/ft^2 (5704 L/min/m^2)
CBR Puncture (ASTM D-6241)	250 lbs. (1.11 kN)
AOS (EOS) (ASTM D-4751)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)
Grab Elongation (ASTM D-4632)	50 %

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