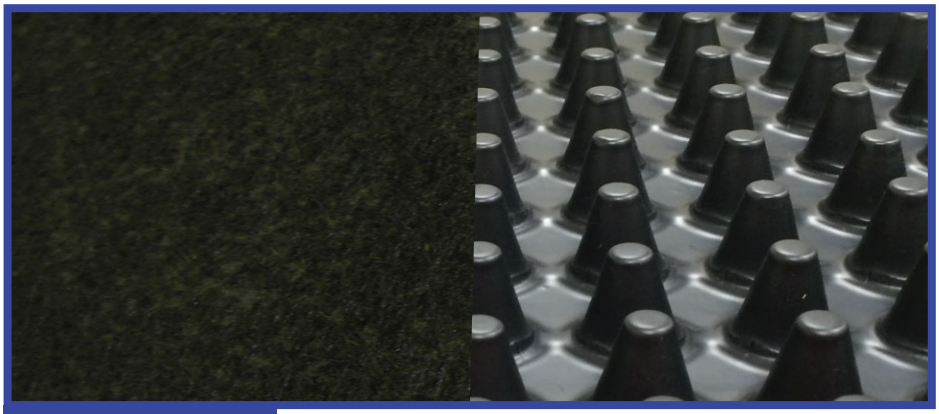
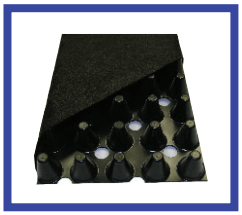
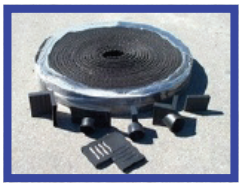
ERS
Design+Supply+Support

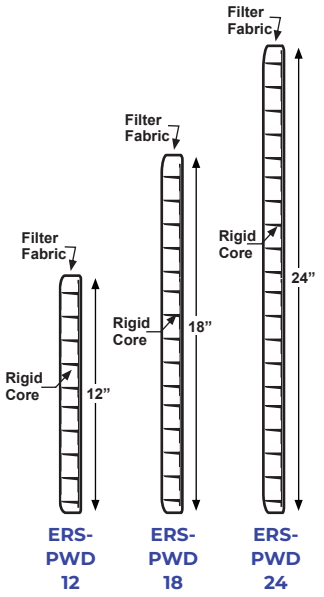
ERS-PWD

earthretention.com









ERS-PWD Fittings & Accessories

ERS-PWD consists of a heavy duty polypropylene sheet cuspated under heat and pressure to form a 3 dimensional, high flow, dimpled drainage core. The core is then wrapped and bonded with a non-woven filter fabric. 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. Soil backfill is retained while allowing water to pass into the drainage system providing hydrostatic relief. Collected water is then conveyed to a collection system. The drainage core is chemically resistant and designed for applications where chemical exposure is possible. The 1 inch (25 mm) profile design allows for higher venting and flow rates.

Physical Properties

Core

Compressive Strength (ASTMD-1621)	9,500 psf	(455 kN/m^2)
Thickness (ASTM-1777)	1 In.	(2.54 cm.)
In-Plane Flow (ASTMD-4716) (Q&518 psf & Hydraulic gradient = .1)	30 gpm/ft width	(372 lpm/m)

Roll

Roll Weight:	38, 68, 83, 98, & 128 lbs.	(17, 30, 37, 44, & 57 kgs.)
Roll Width:	6", 12", 18", 24", & 36"	(15, 30, 38, 45, & 60 cm.)
Roll Length:	165 ft. / 300 ft.	(50.29 / 91.44 meters)

Fabric

Flow (ASTM D-4491)	140 gpm/ft^{22}	(5704 lpm/m)
CBR Puncture (ASTM D-6241)	250 lbs.	(1.11 kN)
AOS (ASTM D-4751)	70 U.S. Sieve	(.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs.	(.45 kN)
Permittivity (ASTM D-4491)	2.0 sec^{-1}	
U.V. Resistance (ASTM D-4355)	70% @500 hrs.	

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