

Extenduct

Extenduct is a drainage composite mat that enables drainage of excess water without the risk of clogging. It consists of entangled filaments bonded to a geocomposite filter fabric. The waffle pattern of the filaments creates an open flow path, even during backfill.

The lightweight polypropylene core has a low moisture absorption rate, has superior tensile strength, and is highly resistant to organic solvents, alkalines, and acids.



FEATURES AND BENEFITS

- Conforms to irregular surfaces and corners
- Includes protection for waterproofing
- Excellent durability
- Long rolls reduce installation costs by reducing butt seams and eliminating interlocking
- Recycled content polymer contributes towards LEED points
- 3" fabric overlap

PRODUCT DATA

Roll Size	3.25' x 100' (325 sq ft)
Core Material	Recycled Polypropylene
Thickness	0.45"
Total Weight	0.142 lb/ft ²
Core Weight	0.111 lb/ft ²
Compressive Load	>30,000 psf (ASTM D-1621)
Polypropylene CAS	9003-07-0
Warranty	2 years



FABRIC PROPERTIES

Property	Imperial	Metric	Test Method
Polymer	Polypropylene	-	-
Fabric Color	Black	-	-
Weight	0.03 lbs/ft ²	152.6 g/m ²	ASTM D-5261
Grab Strength MD/CD	120.0 lbs	0.54 kN	ASTM D-4632
Grab Elongation	50%	50%	ASTM D-4632
Trapezoidal Tear	50.0 lbs	0.22 kN	ASTM D-4533
Puncture Strength	70.0 lbs	0.31 kN	ASTM D-4833
AOS (maximum average)	70 US Sieve	0.212 mm	ASTM D-4751
Flow Rate	120.0 gal/min/ft ²	4887 L/sec/m ²	ASTM D-4491
Permittivity	1.8 sec ⁻¹	1.8 sec ⁻¹	ASTM D-4491

Values are MARV (Minimum Average Roll Value)

FLOW RATES

Pressure	1.0 Gradient	0.5 Gradient	0.2 Gradient
250 psf	22.5 gal/min/ft	15.5 gal/min/ft	9.2 gal/min/ft
500 psf	22.0 gal/min/ft	15.2 gal/min/ft	8.7 gal/min/ft
1000 psf	20.7 gal/min/ft	14.3 gal/min/ft	8.4 gal/min/ft
2000 psf	19.0 gal/min/ft	13.1 gal/min/ft	8.3 gal/min/ft
3000 psf	16.0 gal/min/ft	11.0 gal/min/ft	6.4 gal/min/ft
3600 psf	13.0 gal/min/ft	8.7 gal/min/ft	5.4 gal/min/ft
5000 psf	8.05 gal/min/ft	5.4 gal/min/ft	3.1 gal/min/ft
8000 psf	3.2 gal/min/ft	2.0 gal/min/ft	1.1 gal/min/ft

Typical flow vs pressure for vertical applications (ASTM D-4716) Sample configuration: Plate/Extenduct/Plate

