

SOPRANATURE® GEONET

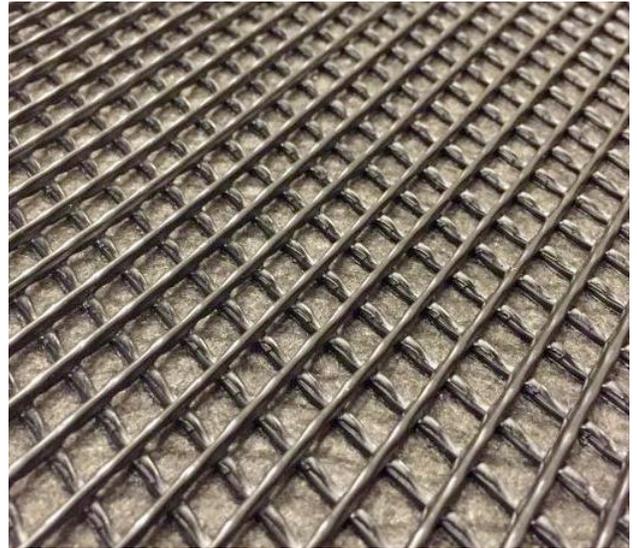
Heavy-duty, geonet drain core with filter fabric

DESCRIPTION

SOPRANATURE Geonet is composed of a high-density polyethylene geonet drainage core heat fused to a non-woven filter fabric. The integrated core and fabric system optimizes drainage channel consistency, minimizing soil particle intrusion for maximum flow capacity, allowing water to freely enter the drainage channel. SOPRANATURE Geonet may be used as a drainage layer in planters, vegetated roof systems and under concrete slabs.

ADVANTAGES

- ▶ Non-woven fabric layer filters out dirt & sand particles to provide a free flowing drainage system
- ▶ Multi-directional flow design allows for a continuous path for water discharge
- ▶ Heavy duty polyethylene core provides high compressive strengths for demanding applications and heavy loads
- ▶ Efficient, cost effective way to provide sub-surface drainage



PHYSICAL PROPERTIES

Drainage Core

PROPERTY	VALUE	ASTM
Material	Polyethylene	-
Thickness; in (mm)	0.25 (6.35)	-
Compressive Strength; psf (kPa)	>40,000 (1,915.0)	D1621

Filter Fabric

PROPERTY	VALUE	ASTM
Material	Polypropylene and polyester	-
Fabric Weight; oz/yd ² (g/m ²)	4.0 (135.6)	D5261
Grab Strength; lbs (kN)	100.0 (0.445)	D4632
Grab Elongation; %	50	D4632
AOS, max average	70 US Sieve	D4751
Flow Rate; gal/min/ft ² (L/min/m ²)	140.0 (5,704.0)	D4491
Permittivity	1.8 sec - 1	D4491

PRODUCT INFORMATION*

PROPERTY	VALUE
Product #	W862
Width; ft (m)	4 (1.22)
Length; ft (m)	75 (22.86)
Coverage; ft ² (m ²)	300 (27.9)
Weight; lb (kg)	70 (31.8)
Rolls per Pallet	9
Pallet Weight; lb (kg)	671 (304.4)
Thickness; in (mm)	0.25 (6.35)

* All values shown are nominal and subject to normal manufacturing tolerances.

STORAGE & HANDLING

Store rolls in an upright position to prevent damage, do not double stack pallets. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Ballast down during installation to prevent loss of product.