

SOPRANATURE® GEONET

Heavy-Duty, Geonet Drain Core with Filter Fabric



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS10332 - REV 230327

PRODUCT NUMBERS:

- W862 - 75 x 4 ft (22.86 x 1.22 m) - Mat

DESCRIPTION & FEATURES:

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.

- 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

APPLICATION:

Unroll **SOPRANATURE GEONET** and cut to the desired length. Ensure fabric is adhered at all joints and fold any excess fabric at ends under the core.

Refer to SOPREMA's published technical literature for additional details and application requirements.

STORAGE:

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.

WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.

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TECHNICAL INFORMATION & TESTING:

DRAINAGE CORE		
PROPERTY	VALUE	ASTM
Material	High-density 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/yd² (g/m²)	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/ft² (l/min/m²)	140.0 (5704.0)	D4491
Permittivity	1.8 sec ⁻¹	D4491

DIMENSION & MASS	
PROPERTY	VALUE
Length, ft (m)	75 (22.86)
Width, in (m)	4 (1.22)
Coverage, ft² (m²)	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)

Data is represented by average values, unless noted otherwise.