

GREENSCAPES® GS-404

FILTER FABRIC

DESCRIPTION

GS-404 Filter Fabric is a non-woven geotextile allowing drainage of stormwater from the growing media to the water management layer. In addition to retaining the fines of the growing media, it provides excellent laminar flow. GS-404 maintains separation and provides a cushioning layer between the growing media from the water management layer. The geotextile is produced from a synthetic fabric that is chemically resistant to typical acid and alkali soil conditions and will not degrade over time from nutrients that may wash through the growing media.

INSTALLATION

Place GS-404 Filter Fabric over the GS-315 Stormwater Management layer. Overlap all edges 6" with a minimum of 6' between overlaps. Keep overlaps a minimum of 6' from all perimeters. Secure filter fabric under any perimeter metal counter flashings. Cut filter fabric around any drainage openings so to not restrict the water flow to the drain. Cut filter fabric around any penetrations in such a manner as to prevent any stone ballast from entering between penetration and insulation

GS-404 is also used with metal edging to prevent growing media fines from passing through the perforations of the edging.

PACKAGING

GS-404 Filter Fabric is available in rolls of 12'-6" (3.8 m) by 360 feet (109.8 m) packaged in bags.

PHYSICAL PROPERTIES		
PROPERTY	TEST STANDARD	TYPICAL VALUE
Weight	ASTM D5261	4 oz/yd ² (94.8 g/m ²)
Trapezoid Tear Strength	ASTM D4533	50 lbs (0.22 kN)
Grab Tensile Elongation	ASTM D4632	50%
Grab Tensile Strength	ASTM D4632	115 lbs (0.51 kN)
Burst Strength	ASTM D3786	210 psi (1448 Kpa)
Apparent Opening Size	ASTM D4751	70 US Sieve (0.212 mm)
Flow Rate	ASTM D4491	140 GPM/ft ² (5704 l/min/m)

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UPDATED: MARCH 2025 (Supersedes all previous versions)

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