

SOPRANATURE® MOISTURE RETENTION MAT

Moisture retention mat for vegetated roofs

DESCRIPTION

SOPRANATURE® Moisture Retention Mat is a dual geotextile fabric consisting of a spun-bond continuous filament polyester needle bonded to polyester fleece, designed to provide water and nutrient storage for green roofing applications without restricting root growth or water drainage. Excellent retention and capillarity properties provide enhanced stormwater runoff mitigation. SOPRANATURE® Moisture Retention Mat is available in two sizes: 16 and 28 oz mat.

PRODUCT INFORMATION *

PROPERTY	16 oz	28 oz
Dimensions	6 ft x 66.7 ft	6 ft x 50 ft
Thickness	0.125 in	0.1875 in
Net Coverage	400 ft ²	300 ft ²
Coverage per Pallet	8,000 ft ²	7,200 ft ²
Weight	45 lb	60 lb
Rolls per Pallet	20	24

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

TECHNICAL PROPERTIES

PROPERTY	16 OZ	28 OZ	ASTM
Grab Tensile; lb	170	560	D4632
Elongation; %	50	50	D4632
Trapezoidal Tear; lb	70	200	D4533
Static Puncture CBR; lb	590	1,120	D6241
Pin Puncture; lb	160	280	D4833
Water Retention; gal/ft²	0.08	0.1	E2398
Saturated Density; lb/ft²	0.7	1.1	E2398
Capillary Rise; (24 hrs) in	2.5	6.5	Conductivity Probe

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.

