PRODUCT DATA SHEET
TRINET® RECYCLEX®

DESCRIPTION

TriNet Recyclex, a three dimensional permanent non-degradable Turf Reinforcement Mat (TRM), consists of 100% post-consumer recycled polyester (green bottles) with 80% five-inch fibers or greater fiber length. It is of consistent thickness with fibers evenly distributed throughout the entire area of the TRM. The top, middle, and bottom of each TRM is stitched together with ultra heavy duty UV stabilized polypropylene nets. Fibers are tightly crimped and curled to allow fiber interlock, and to retain 95% memory of the original shape after loading by hydraulic events. Fibers have a specific gravity greater than 1.0; therefore, the blanket will not float during hydraulic events. TriNet Recyclex TRM meets Federal Government Executive Order initiatives for use of products made from, or incorporating, recycled materials. TriNet Recyclex TRM shall be manufactured in the U.S.A. and the fibers shall be made from 100% recycled post-consumer goods.

TriNet Recyclex TRM has a design soil loss ratio (event-based RUSLE C factor) of .015 and is typically suitable for slopes up to .5H:1V. TriNet Recyclex TRM is rated for channel flows up to 25.0 ft/s (7.62 m/s) and 14 lb/ft² (670 Pa) shear stress.

PHYSICAL PROPERTIES

TriNet Recyclex TRM measurements at time of manufacturing:

Width	8.0 ft (2.4 m)	16 ft (4.9 m)
Length	67.5 ft (20.6 m)	67.5 ft (20.6 m)
Area	60.0 yd² (50.2 m²)	120 yd² (100.34 m²)
Weight	68.9 lb (31.25 kg)	137.8 lb (62.5 kg)
Fiber Length (80% min.)	≥ 5.0 in (≥ 12.7 cm)	≥ 5.0 in (≥ 12.7 cm)
Recyclex Matrix (± 10%)	0.500 lb/yd² (0.271 kg/m²)	0.500 lb/yd² (0.271 kg/m²)
Product Weight (± 10%)	1.148 lb/yd² (0.623 kg/m²)	1.148 lb/yd² (0.623 kg/m²)
Net Openings	Top - Ultra Heavy Duty Polypropylene (UV-Stabilized)	0.45 in x 0.58 in (11.43 mm x 14.73 mm)	0.45 in x 0.58 in (11.43 mm x 14.73 mm)
	Middle - Ultra Heavy Duty Polypropylene (UV-Stabilized)	0.45 in x 0.58 in (11.43 mm x 14.73 mm)	0.45 in x 0.58 in (11.43 mm x 14.73 mm)
	Bottom - Ultra Heavy Duty Polypropylene (UV-Stabilized)	0.45 in x 0.58 in (11.43 mm x 14.73 mm)	0.45 in x 0.58 in (11.43 mm x 14.73 mm)

TYPICAL INDEX VALUES

Index Property	Test Method	Value
Thickness	ASTM D 6525	0.529 in (13.44 mm)
Light Penetration	ASTM D 6567	26.7%
Resiliency	ASTM D 6524	83%
Mass per Unit Area	ASTM D 6566	1.204 lb/yd² (0.653 kg/m²)
MD-Tensile Strength Max.	ASTM D 6818	1000.0 lb/ft (14.59 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	900.0 lb/ft (13.13 kN/m)
MD-Elongation	ASTM D 6818	20.0%
TD-Elongation	ASTM D 6818	19.5%
UV Stability	ASTM D 4355 (1,000 hr)	90% minimum
Porosity	Calculated	96.63%
Stiffness	ASTM D6575	2.62 oz-in
Bench-Scale Rain Splash	ASTM D 7101	SLR = 45.66 @ 2 in/hr [a,b]
Bench-Scale Rain Splash	ASTM D 7101	SLR = 16.45 @ 4 in/hr [a,b]
Bench-Scale Rain Splash	ASTM D 7101	SLR = 12.12 @ 6 in/hr [a,b]
Bench-Scale Shear	ASTM D 7207	4.3 lb/ft2 @ 0.5 in soil loss [b]
Germination Improvement	ASTM D 7322	205%

[a] SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. [b] Bench-scale index values should not be used for design purposes.

MADE IN
THE U.S.A