



## PRODUCT DATA SHEET **RECYCLEX® TRM – V 10**

### DESCRIPTION

Recyclex TRM – V 10, long-term non-degradable Turf Reinforcement Mat (TRM), consists of 100% recycled poly (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 and bottom of each TRM is covered with heavy duty polypropylene net. 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. Recyclex TRM – V 10 meets Federal Government Executive Order initiatives for use of products made from, or incorporating, recycled materials. Recyclex TRM – V 10 shall be manufactured in the U.S.A. and the fibers shall be made from 100% recycled goods.

Vegetated Recyclex TRM – V 10 is rated for channel flows up to 17.0+ ft/s (5.2+ m/s) and 10.0+ lb/ft<sup>2</sup> (480+ Pa) shear stress.

### PHYSICAL PROPERTIES

Recyclex TRM – V 10 measurements at time of manufacturing:

<b>Width</b>	8.0 ft (2.4 m)	16 ft (4.9 m)
<b>Length</b>	112.5 ft (34.3 m)	112.5 ft (34.3 m)
<b>Area</b>	100.0 yd <sup>2</sup> (83.6 m <sup>2</sup> )	200.0 yd <sup>2</sup> (167.2 m <sup>2</sup> )
<b>Weight</b>	62.5 lb (28.3 kg)	125.0 lb (56.7 kg)
<b>Fiber Length (80% min.)</b>	≥5.0 in (≥12.7 cm)	≥5.0 in (≥12.7 cm)
<b>Mass per Unit Area (± 10%)</b>	0.625 lb/yd <sup>2</sup> (0.34 kg/m <sup>2</sup> )	0.625 lb/yd <sup>2</sup> (0.34 kg/m <sup>2</sup> )
<b>Net Openings</b>	0.75 in x 0.75 in (19.1 mm x 19.1 mm)	0.75 in x 0.75 in (19.1 mm x 19.1 mm)

### TYPICAL INDEX VALUES

<u>Index Property</u>	<u>Test Method</u>	<u>Value</u>
Thickness	ASTM D 6525	0.25 in (6.35 mm)
Light Penetration	ASTM D 6567	56%
Resiliency	ASTM D 6524	85%
Mass per Unit Area	ASTM D 6566	0.63 lb/yd <sup>2</sup> (0.342 kg/m <sup>2</sup> )
MD-Tensile Strength Max.	ASTM D 6818	300.0 lb/ft (4.38 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	210.0 lb/ft (3.06 kN/m)
MD-Elongation	ASTM D 6818	24.9%
TD-Elongation	ASTM D 6818	28.7%
Swell	ECTC Procedure	8%
Water Absorption	ASTM D 1117/ECTC	20%
Specific Gravity	ASTM D 792	1.21
UV Stability	ASTM D 4355 (1,000 hr)	80% minimum
Porosity	Calculated	97.5%

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

