



## RECYCLEX® TRM MATERIAL SPECIFICATIONS

### Materials:

100% Recycled Post Consumer Polyester Fiber  
Polypropylene Netting  
Polypropylene Stitching Thread

### Roll Sizes:

Width:	8.0 ft (2.4 m)	16.0 ft (4.9 m)
Length:	90.0 ft (27.4 m)	90.0 ft (27.4 m)
Area:	80.0 yd <sup>2</sup> (66.9 m <sup>2</sup> )	160.0 yd <sup>2</sup> (133.8 m <sup>2</sup> )
Weight:	50.0 lb (22.7 kg)	100.0 lb (45.4 kg)

### Description:

Recyclex TRM is a three dimensional Turf Reinforcement Mat specifically designed to provide permanent structural support for vegetation root systems (root reinforcement) and/or surface support underneath vegetation (stem reinforcement). Recyclex may be installed, soil filled, and seeded to allow the germination of reinforced vegetation above, and a permanent, structural root system to grow into its matrix below. In addition, Recyclex may be installed as “stand alone” over top soil and seed, which allows vegetation to grow up through its permanent matrix. Recyclex rolls are stretch wrapped to protect against the elements prior to installation, and may be ordered in Master-Paks of nine rolls banded together to minimize handling requirements.

Recyclex has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 0.5:1. Recyclex is rated for channel flows up to 17.0+ ft/s (5.2+ m/s) and shear stress up to 10.0+ lb/ft<sup>2</sup> (479+ Pa) when vegetated.

### Physical Properties:

Fiber: 100% Recycled Post Consumer Polyester  
Fiber Size: 80% of fibers a minimum of 5” (15.7 cm) long  
Fiber Weight: 400 Denier Polyester  
Unit Weight: 0.625 lb/yd<sup>2</sup> (0.34 kg/m<sup>2</sup>) ± 10%  
Thread Material: HT Polypropylene  
Thread Pattern: 1.5” wide x 3” long (3.8 cm x 7.6 cm) ± 0.50” (1.3 cm)  
Net Material: Polypropylene extra heavy duty black - top  
Polypropylene heavy duty black - bottom  
Net Openings: 0.75” wide x 1.0” long (19.1 mm x 25.4 mm) - top  
0.75” wide x 0.75” long (19.1 mm x 19.1 mm) - bottom  
Net Configuration: Top and bottom

**All measurements are based on product at time of manufacture.**



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**MANUFACTURER'S CERTIFICATION**

**RECYCLEX® TRM – Turf Reinforcement Mat**

**Manufacturer:**

American Excelsior Company  
831 Pioneer Avenue  
Rice Lake, WI 54868  
1-866-9FIBERS (1-866-934-2377)

**Project Information (if applicable):**

**Name:**  
**Location:**  
**Number:**

**Statement**

We hereby certify that the above referenced material is manufactured to meet or exceed the following specification:

Fiber:	100% Recycled Post Consumer Polyester
Fiber Size:	80% of fibers a minimum of 5" (15.7 cm) long
Fiber Weight:	400 Denier Polyester
TRM Length:	-0' (m), + 5% (upon application)
TRM Width:	-0" (mm) + 1.0" (25.4 mm)
Unit Weight:	0.625 lb/yd <sup>2</sup> (0.34 kg/m <sup>2</sup> ) ± 10%
Thread Material:	HT Polypropylene
Thread Pattern:	1.5" wide x 3" long (3.8 cm x 7.6 cm) ± 0.50" (1.3 cm)
Net Material:	Polypropylene extra heavy duty black - top Polypropylene heavy duty black - bottom
Net Openings:	0.75" wide x 1.0" long (19.1 mm x 25.4 mm) - top 0.75" wide x 0.75" long (19.1 mm x 19.1 mm) - bottom
Net Configuration:	Top and bottom

**All measurements are based on product at time of manufacture.**

  
Rocky Van Gilder – Dir. of Wood Fiber Operations

7/21/08  
Effective Date

**Note:** This Certification expires, without notice, if document is updated by American Excelsior Company (AEC). Current Material Specifications and Manufacturer's Certifications (MSMC) for AEC products shall be accessed from [www.Curlex.com](http://www.Curlex.com) at all times.