



## MATERIAL SPECIFICATIONS TRINET® CURLEX®

### Materials:

Great Lakes Aspen (naturally seed free)  
Polypropylene Netting  
Stitching Thread

### Typical Roll Sizes:

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 yd <sup>2</sup> (50.2 m <sup>2</sup> )	120 yd <sup>2</sup> (100.34 m <sup>2</sup> )
Weight:	74.34 lb (33.72 kg)	148.68 lb (67.44 kg)

### Description:

TriNet Curlex a three dimensional biocomposite Turf Reinforcement Mat (TRM) is a natural, stitched cover material designed to enhance germination, reduce slope and/or channel erosion, and permanently reinforce vegetation. TriNet Curlex is furnished in rolls with polyethylene wrapping to protect against the elements prior to installation, and may be ordered in Master-Paks banded together to minimize material handling requirements. TriNet Curlex shall be manufactured in the U.S.A.

TriNet Curlex has a design soil loss ratio (event-based RUSLE C factor) of .031 and is typically suitable for slopes up to .5H:1V. TriNet Curlex is rated for channel flows up to 20.0 ft/s (6.1 m/s) and 13 lb/ft<sup>2</sup> (622 Pa) shear stress.

### Physical Properties:

Fiber:	Great Lakes Aspen (naturally seed free) Curled, interlocking fibers with barbed edges
Fiber Size:	80% of fibers a minimum of 6 in (15.2 cm) long 0.038 in ± 0.008 in wide x 0.018 in ± 0.003 in thick (0.97 mm ± 0.20 mm wide x 0.46 mm ± 0.08 mm thick)
Curlex Fiber Matrix <sup>a</sup> :	0.730 lb/yd <sup>2</sup> (0.396 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Product Weight <sup>a</sup> :	1.239 lb/yd <sup>2</sup> (0.672 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Pattern:	No more than 4.0 in (10.2 cm) transverse stitch spacing
Net Material:	Top – Ultra Heavy Duty (UV-Stabilized) Middle Net – Ultra Heavy Duty (UV-Stabilized) Bottom – Super Heavy Duty (UV-Stabilized)
Net Openings:	Top – 0.45 in wide x 0.58 in long (11.43 mm x 14.73 mm) Middle – 0.45 in wide x 0.58 in long (11.43 mm x 14.73 mm) Bottom – 0.5 in wide by 0.5 in long (12.7 mm x 12.7 mm)
Net Configuration:	Top, middle, and bottom

<sup>a</sup> Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.





**MANUFACTURER'S CERTIFICATION**  
**TRINET® CURLEX® – 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:	Great Lakes Aspen (naturally seed free) Curled, interlocking fibers with barbed edges
Fiber Size:	80% of fibers a minimum of 6 in (15.2 cm) long 0.038 in ± 0.008 in wide x 0.018 in ± 0.003 in thick (0.97 mm ± 0.20 mm wide x 0.46 mm ± 0.08 mm thick)
Blanket Length:	-0 ft (m) + 2.0 ft (0.6 m)
Blanket Width:	-0 in (mm) + 1.0 in (25.4 mm)
Curlex Fiber Matrix <sup>a</sup> :	0.730 lb/yd <sup>2</sup> (0.396 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Product Weight <sup>a</sup> :	1.239 lb/yd <sup>2</sup> (0.672 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
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**TJ 4.4**

**Tony Johnson** – General Manager, Rice Lake

**Effective Date**

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

