



## **CURLEX® ENFORCER® MATERIAL SPECIFICATIONS**

### **Materials:**

Great Lakes Aspen (naturally seed free)  
Polypropylene Extra Heavy Duty Black Netting  
Stitching Thread  
*QuickGRASS®* (green excelsior – optional)

### **Typical Roll Sizes:**

Width:	8.0 ft (2.4 m)
Length:	67.5 ft (20.6 m)
Area:	60.0 yd <sup>2</sup> (50.2 m <sup>2</sup> )
Weight:	75.0 lb (34.1 kg)

### **Description:**

Curlex Enforcer a 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. Curlex Enforcer is furnished in rolls with polyethylene wrapping to protect against the elements prior to installation, and may be ordered in Master-Paks of fifteen rolls banded together to minimize material handling requirements. Curlex Enforcer is also available as *QuickGRASS®* (Dyed Green). ECB shall be Manufactured in the U.S.A.

Curlex Enforcer has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 0.5:1. Curlex Enforcer is rated for channel flows up to 11 ft/s (3.4 m/s); 3.25 lb/ft<sup>2</sup> (156 Pa) shear stress unvegetated or 17 ft/s (5.2 m/s); 10.0 lb/ft<sup>2</sup> (480 Pa) shear stress vegetated.

### **Physical Properties:**

Fiber: Great Lakes Aspen (naturally seed free)  
Curled, interlocking fibers with barbed edges  
Fiber Size: 80% of fibers a minimum of 6” (15.2 cm) long  
0.038” ± 0.008” wide x 0.018” ± 0.003” thick  
(0.97 mm ± 0.20 mm wide x 0.46 mm ± 0.08 mm thick)  
Weight\*: 1.25 lb/yd<sup>2</sup> (0.68 kg/m<sup>2</sup>) ± 10% @ 22% Moisture  
Thread Pattern: No more than 4.0” (10.2 cm) transverse stitch spacing  
Net Material: Polypropylene extra heavy duty black  
Net Openings: 0.75” wide x 1.0” long (19.1 mm x 25.4 mm)  
Net Configuration: Top and bottom

\* 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

### **CURLEX® ENFORCER® - Erosion Control Blanket**

**Manufacturer:**

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

**Project Information (if applicable):**

**Name:**

**Location:**

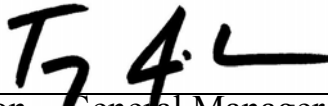
**Number:**

#### 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" (15.2 cm) long 0.038" ± 0.008" wide x 0.018" ± 0.003" thick (0.97 mm ± 0.20 mm wide x 0.46 mm ± 0.08 mm thick)
Blanket Length:	-0' (m) + 2.0' (0.6 m)
Blanket Width:	-0" (mm) + 1.0" (25.4 mm)
Weight*:	1.25 lb/yd <sup>2</sup> (0.68 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Pattern:	No more than 4.0" (10.2 cm) transverse stitch spacing
Net Material:	Polypropylene extra heavy duty black
Net Openings:	0.75" wide x 1.0" long (19.1 mm x 25.4 mm)
Net Configuration:	Top and bottom

\* Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.

  
Tony Johnson – General Manager, Rice Lake

09/23/11  
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.

