



## MATERIAL SPECIFICATIONS CURLEX® ENFORCER®

### 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). Curlex Enforcer 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 .5H:1V. 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 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)

Weight<sup>1</sup>: 1.25 lb/yd<sup>2</sup> (0.68 kg/m<sup>2</sup>) ± 10% @ 22% Moisture

Thread Pattern: No more than 4.0 in (10.2 cm) transverse stitch spacing

Net Material: Polypropylene extra heavy duty black

Net Openings: 0.75 in wide x 1.0 in long (19.1 mm x 25.4 mm)

Net Configuration: Top and bottom

<sup>1</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**  
**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 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)
Weight <sup>1</sup> :	1.25 lb/yd <sup>2</sup> (0.68 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Pattern:	No more than 4.0 in (10.2 cm) transverse stitch spacing
Net Material:	Polypropylene extra heavy duty black
Net Openings:	0.75 in wide x 1.0 in long (19.1 mm x 25.4 mm)
Net Configuration:	Top and bottom

<sup>1</sup> Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.

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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 Manufacturer's Certifications (MSMC) for AEC products shall be accessed from [www.Curlex.com](http://www.Curlex.com) at all times.

