



## CURLEX® II MATERIAL SPECIFICATIONS

### Materials:

Great Lakes Aspen Excelsior  
Polypropylene Netting  
Polypropylene Stitching Thread  
*QuickGRASS*® (green excelsior – optional)

### Typical Roll Sizes:

Width:	4.0 ft (1.2 m)	8.0 ft (2.4 m)	12.0 ft (3.7 m)	16.0 ft (4.9 m)
Length:	101.25 ft (30.9 m)	101.25 ft (30.9 m)	101.25 ft (30.9 m)	101.25 ft (30.9 m)
Area:	45.0 yd <sup>2</sup> (37.6 m <sup>2</sup> )	90.0 yd <sup>2</sup> (75.3 m <sup>2</sup> )	135.0 yd <sup>2</sup> (112.9 m <sup>2</sup> )	180.0 yd <sup>2</sup> (150.5 m <sup>2</sup> )
Weight:	32.9 lb (14.9 kg)	65.7 lb (29.8 kg)	98.6 lb (44.7 kg)	131.4 lb (59.7 kg)

### Description:

Curlex II erosion control blanket is a natural, stitched excelsior blanket that provides a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. Curlex II 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 II is also available as *QuickGRASS*® (Dyed Green), which increases the roll weight approximately four pounds per 45 yd<sup>2</sup> of blanket.

Curlex II has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 1.5:1. Curlex II is rated for channel flows up to 9.0 ft/s (2.7 m/s) and 2.25 lb/ft<sup>2</sup> (108 Pa) shear stress.

### Physical Properties:

Fiber: Great Lakes Aspen Excelsior with no weed seeds  
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\*: 0.73 lb/yd<sup>2</sup> (0.40 kg/m<sup>2</sup>) ± 10% @ 22% Moisture

Thread Material: HT Polypropylene with UV degrader additive

Thread Pattern: 4" wide x 4" long (10.2 cm x 10.2 cm) ± 0.50" (1.3 cm)

Net Material: Polypropylene (green or white with UV degrader additive)

Net Openings: 1.0" wide x 2.0" long (25.4 mm wide x 50.8 mm long)

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%.



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## MANUFACTURER'S CERTIFICATION

### **CURLEX® II - 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 Excelsior with no weed seeds 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*:	0.73 lb/yd <sup>2</sup> (0.40 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Material:	HT Polypropylene with UV degrader additive
Thread Pattern:	4" wide x 4" long (10.2 cm x 10.2 cm) ± 0.50" (1.3 cm)
Net Material:	Polypropylene (green or white with UV degrader additive)
Net Openings:	1.0" wide x 2.0" long (25.4 mm wide x 50.8 mm long)
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%.

  
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Tony Johnson – General Manager, Rice Lake

7/21/08  
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.