



## MATERIAL SPECIFICATIONS CURLEX® I FIBRENET™

### Materials:

Great Lakes Aspen (naturally seed free)  
Biodegradable Jute Netting  
Stitching Thread (UV degradable or biodegradable)  
QuickGRASS® (green excelsior – optional)

### Typical Roll Sizes:

Width:	4.0 ft (1.2 m)	8.0 ft (2.4 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)
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> )	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)	131.4 lb (59.6 kg)

### Description:

Curlex I FibreNet erosion control blanket (ECB) is a natural, stitched excelsior blanket with 100% biodegradable jute netting that provides a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. Product is 100 % biodegradable when biodegradable thread is ordered. Curlex I FibreNet 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 I FibreNet is also available as QuickGRASS (green pigment). Curlex I FibreNet shall be manufactured in the U.S.A.

Curlex I FibreNet has a design soil loss ratio (event-based RUSLE C factor) of .018 and is typically suitable for slopes up to 2H:1V. Curlex I FibreNet is rated for channel flows up to 7.0 ft/s (2.1 m/s) and 1.75 lb/ft<sup>2</sup> (84 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)

Weight<sup>a</sup>: 0.73 lb/yd<sup>2</sup> (0.40 kg/m<sup>2</sup>) ± 10% @ 22% Moisture

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

Net Material: Biodegradable Jute

Net Openings: ≈ 0.5 in wide x 1.0 in long (12.7 mm x 25.4 mm)

Net Configuration: Top side only

<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**  
**CURLEX® I FIBRENET™ - 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>a</sup> :	0.73 lb/yd <sup>2</sup> (0.40 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Pattern:	No more than 4.0 in (10.2 cm) transverse stitch spacing
Net Material:	Biodegradable Jute
Net Openings:	≈ 0.5 in wide x 1.0 in long (12.7 mm x 25.4 mm)
Net Configuration:	Top side only

<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%.

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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.

