



## MATERIAL SPECIFICATIONS **CURLEX® HIGH VELOCITY™ 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:	100.0 ft (30.5 m)	50.0 ft (15.2 m)	50.0 ft (15.2 m)
Area:	44.4 yd <sup>2</sup> (37.1 m <sup>2</sup> )	44.4 yd <sup>2</sup> (37.1 m <sup>2</sup> )	88.8 yd <sup>2</sup> (74.2 m <sup>2</sup> )
Weight:	71.9 lb (32.6 kg)	71.9 lb (32.6 kg)	143.8 lb (65.2 kg)

### Description:

Curlex High Velocity 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 High Velocity 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 High Velocity FibreNet is also available as QuickGRASS (green pigment). Curlex High Velocity FibreNet shall be manufactured in the U.S.A.

Curlex High Velocity FibreNet has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to .75H:1V. Curlex High Velocity FibreNet is rated for channel flows up to 11.0 ft/s (3.4 m/s) and 3.25 lb/ft<sup>2</sup> (156 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>: 1.62 lb/yd<sup>2</sup> (0.88 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 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**  
**CURLEX® HIGH VELOCITY™ 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> :	1.62 lb/yd <sup>2</sup> (0.88 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 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%.

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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.

