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**CURLEX® HIGH VELOCITY™ FIBRENET™  
MATERIAL SPECIFICATIONS**

**Materials:**

Great Lakes Aspen (naturally seed free)  
Biodegradable Jute Netting  
*QuickGRASS®* (green excelsior – optional)

**Typical Roll Sizes:**

Width:	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length:	100.0 ft (30.5 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> )
Weight:	71.9 lb (32.6 kg)	71.9 lb (32.6 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. 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 HV FibreNet is also available as *QuickGRASS®* (Green Dyed). ECB shall be Manufactured in the U.S.A.

Curlex High Velocity has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to .75:1. Curlex High Velocity 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” (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\*: 1.62 lb/yd<sup>2</sup> (0.88 kg/m<sup>2</sup>) ± 10% @ 22% Moisture

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

Net Material: Biodegradable Jute

Net Openings: ≈ 0.50” wide x 0.50” long (12.7 mm x 12.7 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® 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" (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*:	1.62 lb/yd <sup>2</sup> (0.88 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Pattern:	No more than 4.0" (10.2 cm) transverse stitch spacing
Net Material:	Biodegradable Jute
Net Openings:	≈ 0.50" wide x 0.50" long (12.7 mm x 12.7 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

03/05/12  
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.

