



## MATERIAL SPECIFICATIONS CURLEX® NetFree™

### Materials:

Great Lakes Aspen (naturally seed free)  
Biodegradable Stitching Thread

### Typical Roll Sizes:

Width:	8.0 ft (2.4 m)
Length:	90.0 ft (27.4 m)
Area:	80.0 yd <sup>2</sup> (66.9 m <sup>2</sup> )
Weight:	58.4 lb (26.5 kg)

### Description:

Curlex NetFree erosion control blanket (ECB) is a 100% biodegradable, stitched excelsior blanket that provides a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. Curlex NetFree 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 to minimize material handling requirements. Curlex NetFree shall be manufactured in the U.S.A.

Curlex NetFree has a design soil loss ratio (event-based RUSLE C factor) of .063 and is typically suitable for slopes up to 3H:1V. Curlex NetFree is rated for channel flows up to 3.0 ft/s (0.9 m/s) and 1.0 lb/ft<sup>2</sup> (48 Pa) shear stress<sup>1</sup>.

<sup>1</sup> Curlex NetFree should always be installed in the same direction as anticipated flows.

### 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>2</sup>: 0.73 lb/yd<sup>2</sup> (0.40 kg/m<sup>2</sup>) - 0% + 15% @ 22% Moisture

Thread Material: Biodegradable

Thread Pattern: No more than 2.0 in (5.1 cm) transverse stitch spacing

<sup>2</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® NetFree™ - 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>2</sup> :	0.73 lb/yd <sup>2</sup> (0.40 kg/m <sup>2</sup> ) - 0% + 15% @ 22% Moisture
Thread Material:	Biodegradable
Thread Pattern:	No more than 2.0 in (5.1 cm) transverse stitch spacing

<sup>2</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 Manufacture's Certifications (MSMC) for AEC products shall be accessed from [www.Curlex.com](http://www.Curlex.com) at all times.

