



## MATERIAL SPECIFICATIONS CURLEX® I CL

### Materials:

Great Lakes Aspen (naturally seed free)  
Polypropylene Netting  
Stitching Thread  
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:	150.0 ft (45.7 m)	150.0 ft (45.7 m)	150.0 ft (45.7 m)
Area:	66.7 yd <sup>2</sup> (55.7 m <sup>2</sup> )	133.3 yd <sup>2</sup> (111.5 m <sup>2</sup> )	266.7 yd <sup>2</sup> (223.0 m <sup>2</sup> )
Weight:	36.7 lb (16.6 kg)	73.3 lb (33.3 kg)	146.7 lb (66.5 kg)

### Description:

Curlex I CL erosion control blanket (ECB) is a natural, stitched excelsior blanket that provides a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. Curlex I CL 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 CL is also available as QuickGRASS (green pigment). Curlex I CL shall be manufactured in the U.S.A.

Curlex I CL has a design soil loss ratio (event-based RUSLE C factor) of .039 and is typically suitable for slopes up to 2H:1V. Curlex I CL is rated for channel flows up to 5.0 ft/s (1.5 m/s) and 1.60 lb/ft<sup>2</sup> (77 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>1</sup>: 0.55 lb/yd<sup>2</sup> (0.30 kg/m<sup>2</sup>) ± 10% @ 22% Moisture

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

Net Material: Polypropylene (green with oxo-biodegrader and UV degrader additives or white with UV degrader additive)

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

Net Configuration: Top side only

<sup>1</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 CL - 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>1</sup> :	0.55 lb/yd <sup>2</sup> (0.30 kg/m <sup>2</sup> ) ± 10% @ 22% Moisture
Thread Pattern:	No more than 4.0 in (10.2 cm) transverse stitch spacing
Net Material:	Polypropylene (green with oxo-biodegrader and UV degrader additives or white with UV degrader additive)
Net Openings:	1.0 in wide x 2.0 in long (25.4 mm wide x 50.8 mm long)
Net Configuration:	Top side only

<sup>1</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.

