



**MATERIAL SPECIFICATIONS**  
**CURLEX® SEDIMENT LOGS®**  
**(nonstandard)**

**Materials:**

Great Lakes Aspen (naturally seed free)  
Durable Biodegradable Tubular Netting with Knotted Ends

**Typical Log Sizes:**

| Product Name/Nominal Diameter   | 9 in  | 12 in   | 12 in   | 12 in   | 20 in   | 20 in   |
|---------------------------------|---|---|---|---|---|---|
| Minimum Diameter                | 8.0 in<br>(20.3 cm)                                   | 11.0 in<br>(27.9 cm)                                  | 11.0 in<br>(27.9 cm)                                  | 11.0 in<br>(27.9 cm)                                  | 18.0 in<br>(45.7 cm)                                  | 18.0 in<br>(45.7 cm)                                  |
| Length<br>(± 10%)               | 25.0 ft<br>(7.6 m)                                    | 10.0 ft<br>(3.1 m)                                    | 10.0 ft<br>(3.1 m)                                    | 10.0 ft<br>(3.1 m)                                    | 10.0 ft<br>(3.1 m)                                    | 10.0 ft<br>(3.1 m)                                    |
| Weight <sup>a</sup><br>(± 10%)  | 20.0 lb<br>(9.1 kg)                                   | 11.0 lb<br>(5.0 kg)                                   | 25.0 lb<br>(11.3 kg)                                  | 30.0 lb<br>(13.6 kg)                                  | 40.0 lb<br>(18.1 kg)                                  | 50.0 lb<br>(22.7 kg)                                  |
| Density <sup>a</sup><br>(± 10%) | 1.81 lb/ft <sup>3</sup><br>(29.01 kg/m <sup>3</sup> ) | 1.40 lb/ft <sup>3</sup><br>(22.43 kg/m <sup>3</sup> ) | 3.18 lb/ft <sup>3</sup><br>(50.94 kg/m <sup>3</sup> ) | 3.82 lb/ft <sup>3</sup><br>(61.19 kg/m <sup>3</sup> ) | 1.83 lb/ft <sup>3</sup><br>(29.37 kg/m <sup>3</sup> ) | 2.29 lb/ft <sup>3</sup><br>(36.71 kg/m <sup>3</sup> ) |

**Description:**

Curlex Sediment Logs are designed to provide intimate contact with the soil, which prevents undermining and blowouts. Curlex Sediment Logs are porous and have a flow rate of 35 GPM/ft<sup>2</sup> (ASTM D5141). This property allows water to pass through the 100% excelsior matrix, which slows velocity and filters sediment as it passes through the log diameter. Curlex Sediment Logs may be installed over bare soil, over rolled erosion control products, on steep slopes, around inlets and outlets, or around jobsites for perimeter control. Curlex Sediment Logs are available palletized or master packed to minimize material handling requirements. Custom diameters, lengths, and densities are optional based upon material availability and sample approval. Curlex Sediment Logs shall be manufactured in the U.S.A. at company locations where QA/QC is implemented and managed by the manufacturer. Field fabricated products and products made by anyone other than the manufacturer (i.e. distributors, dealers, etc.) shall not be accepted.

Note: Curlex Sediment Logs may be compressed when packaged. The unique packaging can result in a less than symmetrical shape upon arrival to the jobsite. This will not affect the performance capability of Curlex Sediment Logs because unique Curlex fibers naturally expand upon wetting and return to a symmetrical tubular shape. All measurements are nominal.

**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  
0.031 in ± 0.008 in wide x 0.027 in ± 0.006 in thick  
(0.79 mm ± 0.20 mm wide x 0.53 mm ± 0.15 mm thick)

Net Configuration: Totally encased

<sup>a</sup> Weight and density are 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® SEDIMENT LOGS® - Sediment Control Device (nonstandard)**

**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)<br>Curled, interlocking fibers with barbed edges  |
| Fiber Size:            | 80% of fibers a minimum of 6 in (15.2 cm) long<br>0.031 in ± 0.008 in wide x 0.027 in ± 0.006 in thick<br>(0.79 mm ± 0.20 mm wide x 0.53 mm ± 0.15 mm thick)  |
| Length:                | 25.0 ft (7.6 m) ± 10% for 9 in Sediment Log<br>10.0 ft (3.1 m) ± 10% for 12 in and 20 in Sediment Log   |
| Weight <sup>a</sup> :  | 20.0 lb (9.1 kg) ± 10% for 9 in x 25 ft Sediment Log<br>11.0 lb (5.0 kg), 25 lb (11.3 kg), 30 lb (13.6 kg) ± 10% for 12 in x 10 ft Sediment Log<br>40 lb (18.1 kg), 50 lb (22.7 kg) ± 10% for 20 in x 10 ft Sediment Log  |
| Density <sup>a</sup> : | 1.81 lb/ft <sup>3</sup> (29.01 kg/m <sup>3</sup> ) ± 10% for 9 in x 25 ft Sediment Log<br>1.40 lb/ft <sup>3</sup> (22.43 kg/m <sup>3</sup> ) ± 10% for 12 in x 10 ft Sediment Log<br>3.18 lb/ft <sup>3</sup> (50.94 kg/m <sup>3</sup> ) ± 10% for 12 in x 10 ft Sediment Log<br>3.82 lb/ft <sup>3</sup> (61.19 kg/m <sup>3</sup> ) ± 10% for 12 in x 10 ft Sediment Log<br>1.83 lb/ft <sup>3</sup> (29.37 kg/m <sup>3</sup> ) ± 10% for 20 in x 10 ft Sediment Log<br>2.29 lb/ft <sup>3</sup> (36.71 kg/m <sup>3</sup> ) ± 10% for 20 in x 10 ft Sediment Log |
| Net Configuration:     | Totally encased   |

<sup>a</sup> Weight and density are based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.

Note: Curlex Sediment Logs may be compressed when packaged. The unique packaging can result in a less than symmetrical shape upon arrival to the jobsite. This will not affect the performance capability of Curlex Sediment Logs because unique Curlex fibers naturally expand upon wetting and return to a symmetrical tubular shape. All measurements are nominal.

**TJ 4.4**

**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.

