



EROSION CONTROL
TECHNOLOGY COUNCIL
ESTD. EST. 1992
DIRECTING MEMBER



MATERIAL SPECIFICATIONS **CURLEX® BLOC**

Materials:

Great Lakes Aspen (naturally seed-free)
Durable Tubular Containment Material

Typical Curlex Blocs Sizes:

Product Name	Curlex Bloc	Curlex Bloc HD
Nominal Dimensions	18 in x 16 in (45.7 cm x 40.6 cm)	18 in x 16 in (45.7 cm x 40.6 cm)
Length (+ 10%, -0%)	4.0 ft or 8.0 ft (1.2 m or 2.4 m)	4.0 ft or 8.0 ft (1.2 m or 2.4 m)
Unit Weight ^a (± 10%)	14.0 lb/ft (20.8 kg/m)	18.0 lb/ft (26.8 kg/m)
Unit Ground Contact (minimum)	192 in ² /ft (4,064.0 cm ² /m)	192 in ² /ft (4,064.0 cm ² /m)
Density ^a (± 10%)	7.0 lb/ft ³ (112.1 kg/m ³)	9.0 lb/ft ³ (144.1 kg/m ³)
Containment Material ^b	Biodegradable	Biodegradable

Description:

Curlex Blocs are unique, natural filters of contaminated water in a variety of applications. In addition to their filtering capabilities, Curlex Blocs provide initial stability of shorelines and streambanks by buffering low energy wave action and flow velocity. Additional applications of Curlex Blocs include around inlets and outlets, around jobsites for perimeter control, runoff diversion, or in other applications when a filtering product is desired. Curlex Blocs may be installed over bare soil or over rolled erosion control products. Curlex Blocs' unique flat footprint provides more intimate contact with subgrade as compared to traditional tubular products such as coir logs and compost socks. In addition, Curlex Blocs are manufactured in the U.S.A. with American fibers as compared to coir fibers that are typically imported from half way across the planet. Curlex Blocs are available palletized to minimize material handling requirements. Custom dimensions, lengths, and densities are optional based upon material availability and sample approval.

Note: All measurements are nominal.

Physical Properties:

Fiber:	Great Lakes Aspen (naturally seed-free)
Fiber Size:	Curled, interlocking fibers with barbed edges
Containment Configuration:	80% of fibers a minimum of 6 in (15.2 cm) long
	Totally encased

^a 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%.

^b The biodegradable containment material is designed to start degrading during the first year to allow voluntary seed and sediment into the Curlex fiber matrix. The matrix of the Curlex Bloc is the key to the product's performance capabilities. The containment material is a carrier to assist with product shipping and placement into the field.





MANUFACTURER'S CERTIFICATION
CURLEX® BLOC – Versatile BMP

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
Length:	4.0 ft or 8.0 ft (1.2 m or 2.4 m) + 10%, -0%
Unit Weight ^a :	14.0 lb/ft (20.8 kg/m) ±10% for Curlex Bloc 18.0 lb/ft (26.8 kg/m) ±10% for Curlex Bloc HD
Unit Ground Contact:	192 in ² /ft (4,064.0 cm ² /m)
Density ^a :	7.0 lb/ft ³ (112.1 kg/m ³) ±10% for Curlex Bloc 9.0 lb/ft ³ (144.1 kg/m ³) ±10% for Curlex Bloc HD
Containment Configuration:	Totally encased

^a 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%.

Tony Richter – 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 at all times.

