



CURLEX® BLOCS MATERIAL SPECIFICATIONS

Materials:

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

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* (± 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 (4,064.2 cm ² /m)	192 in ² /ft (4,064.2 cm ² /m)
Density* (± 10%)	7.0 lb/ft ³ (112.1 kg/m ³)	9.0 lb/ft ³ (144.1 kg/m ³)
Containment Material**	Synthetic or Biodegradable	Synthetic or Biodegradable

Description:

Patent pending Curlex Blocs are designed to provide initial stability of shorelines and streambanks by buffering wave action and flow velocity. Curlex Blocs' unique flat footprint provides more intimate contact with subgrade as compared to traditional tubular shore 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 may be installed over bare soil or over rolled erosion control products. Secondary applications for Curlex Blocs include around inlets and outlets, around jobsites for perimeter control, runoff diversion, or in other applications when a damming product is desired. Curlex Blocs (with biodegradable containment material) are easily abutted with a seamless joint as one end of each Curlex Bloc has an extra flap of containment material to pull over the end of the adjacent Curlex Bloc after placement. 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) Curled, interlocking fibers with barbed edges
Fiber Size:	80% of fibers a minimum of 6" (15.2 cm) long
Containment Configuration:	Totally encased

* Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior is 22%.

** The optional 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. Optional synthetic containment material is designed not to degrade during the first year.





MANUFACTURER'S CERTIFICATION

CURLEX® BLOCS – 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:

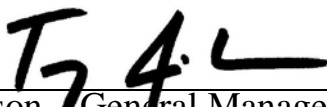
Number:

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" (15.2 cm) long
Length:	4.0 ft or 8.0 ft (1.2 m or 2.4 m) + 10%, -0%
Unit Weight*:	14.0 lb/ft (20.8 kg/m) ±10% for Curlex ShoreBlock 18.0 lb/ft (26.8 kg/m) ±10% for Curlex ShoreBlock HD
Unit Ground Contact:	192 in ² /ft (4,064.2 cm ² /m)
Density*:	7.0 lb/ft ³ (112.1 kg/m ³) ±10% for Curlex ShoreBlock 9.0 lb/ft ³ (144.1 kg/m ³) ±10% for Curlex ShoreBlock HD
Containment Configuration:	Totally encased

* 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

Effective Date

Note: This Certification expires, without notice, if document is updated by American Excelsior Company (AEC). Current Material Specifications and Manufacturer's Certifications (MSMC) for AEC products shall be accessed from www.Curlex.com at all times.

