



Curlex® NetFree™

Excelsior Erosion Control Blankets

Curlex® NetFree™ Tech Note The Industry's First ECB Without Netting

American Excelsior Company is proud to release another innovation - Curlex NetFree Erosion Control Blanket (ECB). Curlex NetFree is the first ECB that does not contain netting of any type; however, the product still possesses all the unique and beneficial properties of the Curlex fiber.

WHY NETFREE?

American Excelsior Company recognized the erosion control industry's need for an ECB that did not contain any netting. Many applications of ECBs require netting materials to degrade or decompose sooner than nettings are capable of. Residential projects, golf courses, environmentally sensitive areas are a few example applications. Curlex NetFree has solved the many problems that are associated with ECB netting:

- No more entrapment of wildlife or pets
- No more netting tangled in mowing equipment
- No more worries about future environmental risks - **Curlex NetFree is 100% biodegradable**
- No more tripping on netting
- No more waiting for netting to decompose

APPLICATIONS/TESTING

Curlex NetFree ECB is intended for use on slopes $\leq 3H:1V$. Large scale testing that followed procedures outlined in ASTM D-6459, "Standard Test Method for Determination of Erosion Control Blanket (ECB) Performance in Protecting Hillslopes from Rainfall-Induced Erosion" showed the ability of Curlex NetFree to protect slopes from rainfall-induced erosion. Curlex NetFree has a C factor (cover management value from the Revised Universal Soil Loss Equation) of .063, which is the ratio of soil loss from an area protected with Curlex NetFree to soil loss from an identical but unprotected area.

Curlex NetFree ECB is intended for use in low-flow channels. Large scale testing that followed procedures outlined in ASTM D-6460, "Standard Test Method for Determination of Erosion Control Blanket (ECB) Performance in Protecting Earthen Channels from Stormwater-Induced Erosion", showed the ability of Curlex NetFree to protect channels from stormwater-induced erosion. Curlex NetFree will withstand tractive forces $\leq 1 \text{ lb/ft}^2$.



MATERIAL SPECIFICATIONS

Curlex NetFree ECB shall conform to the following specifications at time of manufacture:

Fiber	Great Lakes Aspen Excelsior with no seeds. Curled, interlocking fibers with barbed edges	
Fiber Size	80% of fibers a minimum of 6" (15.2 cm) long 0.038" \pm 0.010" wide x 0.018" \pm 0.003" thick (0.97 mm \pm 0.25 mm wide x 0.45 mm \pm 0.08 mm thick)	
*Mass per Unit Area	0.73 lb/yd ² (0.40 kg/m) -0 + 15%	
Thread Material	Biodegradable	
Width	8.0 ft (2.4 m)	-0" (mm) +1.0" (25.4 mm)
Length	90.0 ft (27.4 m)	-0' (m) + 2.0' (0.6 m)
Area	80.0 yd ² (66.9 m ²)	

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

American
Excelsior
Company®
Earth Science Division



If you would like to receive more information or consult with one of our Customer Care Center Specialists, please call us toll free at (888-352-9582)

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