

Curlex®

Curlex III™

Heavy-Duty Blanket for Challenging Channel & Slope Applications

Getting vegetation established in stormwater drainage channels with intermittent, but high flow conditions, is a big challenge. Many steep slope applications provide a similar challenge. Where vegetation can ultimately resist the erosive forces, but temporary heavy-duty protection is necessary, **Curlex III** is the ideal solution.

Material Characteristics

Curlex III is an erosion control blanket made with an extra dose of Curlex fiber (aspen excelsior) and two heavy-duty polypropylene nettings. With over 70% more fiber than our standard product, **Curlex III** provides up to 3 to 4 years of continuous protection before it degrades; and the durable netting offers an equivalent service life.

- **Roll Dimensions-**
 - 2.4m X 27.4m (8 ft X 67.5 ft)
 - 1.2m X 54.8m (4 ft X 135 ft)
- **Unit Weight -**
 - 680gm² (1.25 lb/sy)



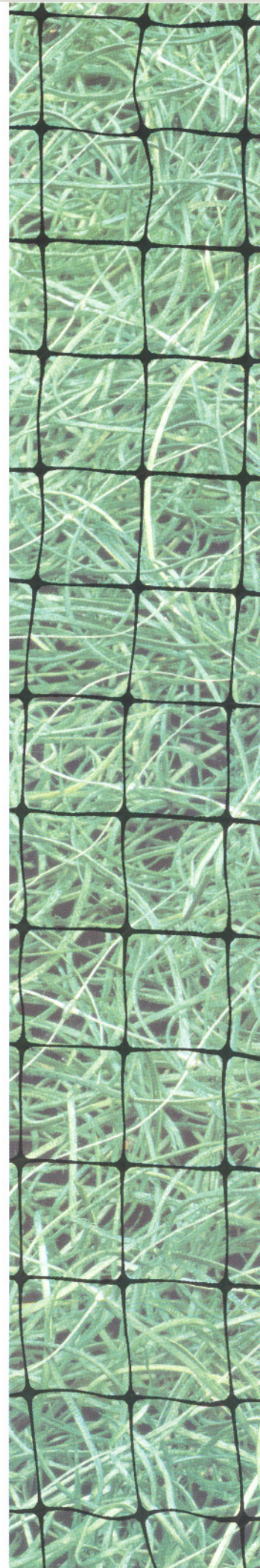
Performance Capabilities

- **Channels -**
 - Shear Stress: 147Pa (3 psf)
- **Slopes -**
 - Steepness: 1H:1V



Typical Applications:

- Urban Stormwater Drainage Channels
- Highway Ditches and Medians, and Steep Embankments
- Landfill Diversion Channels (Benches) and Steep Cap Slopes
- Pipeline Stream Crossings
- Golf Course Drainageways



SUGGESTED CURLEX® III SPECIFICATIONS

Section 2720 - Erosion Control Blanket (ECB)

GENERAL

The Erosion Control Blanket (ECB) is a rolled excelsior matting for the purpose of erosion control and revegetation. ECB's shall be furnished in plastic bags or paper-wrappers. Each roll shall be labeled to provide identification sufficient for inventory and quality control purposes.

PRODUCTS

ECB shall be Curlex® III, as manufactured by American Excelsior Company, Arlington, TX (800-777-7645). ECB shall be made of aspen excelsior with two layers of polypropylene netting stitched together to form a three-dimensional matrix. ECB shall be free of weed seed and of consistent thickness. Fiber shall be curled and interlocked to form a mat, shall have barbed edges and shall be evenly distributed. A minimum of 80 percent of the fibers shall be 15cm (6 in) or greater in length. Excelsior color shall be QuickGrass™ (green) or standard (natural). The ECB shall have the following material characteristics:

Unit Weight	678g/m ²	(20 oz/sy)
Tensile Strength (MD x XD)	169N x 136N (per 10cm)	(116 lb/ft x 93.6 lb/lf)
Thickness	21.6mm	(0.85 in)
Roll Dimensions	2.4m x 20.6m	(8 ft x 67.5 ft)
	1.2m x 41.2m	(4 ft x 135 ft)
Roll Area	50.2m ²	(60 sy)

Anchors shall be steel wire staples a minimum of 15cm (6 in) in length.

EXECUTION

Before placing ECB, the finished grade shall be inspected by Owner's Representative to insure that it has been properly compacted; has been graded smooth; has no depressed, void, soft or uncompacted areas; is free from obstructions, such as tree roots, projecting stones or other foreign matter; and has been seeded. Contractor shall not proceed until all unsatisfactory conditions have been remedied. The extent of ECB shall be as shown on Drawings. Anchors shall be installed as identified on the Drawing stapling pattern detail(s).

Channels: ECB shall be unrolled parallel to the direction of water flow. The first roll shall be centered longitudinally in the channel and anchored with staples. Subsequent rolls shall be installed outward to the edges of the channel and be lapped to allow installation of a common row of staples. ECB ends shall be overlapped sufficiently for a common row of staples with the upstream end on top ("shingled"). Staple the overlap across the end of each of the overlapping lengths. A trench shall be constructed at the upstream termination [15cm (6 in) min depth]. ECB shall be stapled to the bottom of the trench. Backfill and compact the trench.

Slopes: ECB shall be oriented in vertical or horizontal strips and anchored with staples. Joints may either be overlapped to allow for installation of a common row of staples or abutted. Horizontal joints shall be shingled. Along flanks and where exposed to overland sheet flow from above, construct a termination trench (staple, backfill and compact).

Disclaimer: CURLEX® III is a system for erosion control and revegetation on slopes and channels. American Excelsior Company (AEC) believes that the information contained herein to be reliable and accurate for use in erosion control and revegetation applications. However, since physical conditions vary from job site to job site and even within a given job site, AEC makes no performance guarantees and assumes no obligation or liability for the reliability or accuracy of information contained herein, for the results, safety or suitability of using CURLEX III, or for damages occurring in connection with the installation of any erosion control product whether or not made by AEC or its affiliates, except as separately and specifically made in writing by AEC. These specifications are subject to change without advance notice.

American
Excelsior
Company



EARTH SCIENCE DIVISION