

Curlex®

Curlex I™

The Industry Standard for Most Slope & Channel Protection Needs

This is the one that started it *all* - the erosion control blanket that literally defined an industry: **Curlex I**. Born in 1963 and thoughtfully refined over the last four decades, **Curlex I** continues to set the standard for the majority of erosion control blanket requirements.

Material Characteristics

Curlex I is an erosion control blanket combining our unique, barbed Curlex fiber (aspen excelsior) and a top layer of polypropylene netting. Other blankets draw the line at 270g/m² (1/2 lb/sy), but not **Curlex I**. At just under 400g/m² (3/4 lb/sy), **Curlex I** brings 50% more erosion fighting fiber to your job site. Combine that with a roll that's 45cm (18 in) wider than conventional blankets and you've got today's best multi-purpose blanket.

• Roll Dimensions-

- 2.4m X 27.4m (8 ft X 90 ft)
- 1.2m X 54.8m (4 ft X 180 ft)



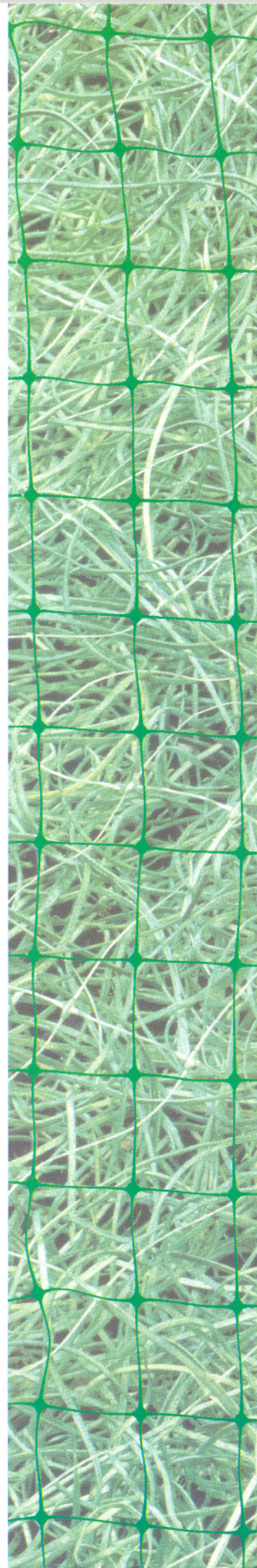
Performance Capabilities

- Channels -
Shear Stress: 96Pa (2 psf)
- Slopes -
Steepness: 2H:1V



Typical Applications:

- Highway Embankments, Ditches, Bridge, Approaches and Medians
- Landfill Caps and Side Slopes
- Pipeline Right-Of-Ways
- Golf Course Fairways and Roughs
- Mine Site Reclamation Projects
- Residential, Industrial, Commercial and Institutional Site Development



SUGGESTED CURLEX® I 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® I, as manufactured by American Excelsior Company, Arlington, TX (800-777-7645). ECB shall be made of aspen excelsior with one layer 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 | 397g/m ² | (11.7 oz/sy) |
| Tensile Strength (MD x XD) | 92N x 47N (per 10cm) | (63.2 lb/ft x 32.4 lb/lf) |
| Thickness | 12.7mm | (0.5 in) |
| Roll Dimensions | 2.4m x 27.4m | (8 ft x 90 ft) |
| | 1.2m x 54.8m | (4 ft x 180 ft) |
| Roll Area | 66.9m ² | (80 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® I 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 I, 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.