



EROSION CONTROL
TECHNOLOGY COUNCIL
ESTD. EST. 1992
DIRECTING MEMBER



PRODUCT DATA SHEET **CURLEX® II**

DESCRIPTION

Curlex II erosion control blanket (ECB) consists of a specific cut of naturally seed free Great Lakes Aspen curled wood excelsior with 80% six-inch fibers or greater fiber length. It is of consistent thickness with fibers evenly distributed throughout the entire area of the blanket. The top and bottom of each blanket is covered with degradable polypropylene netting. Curlex II is also available as QuickGRASS® (green pigment). Curlex II shall be manufactured in the U.S.A.

Curlex II has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to 1.5H:1V. Curlex II is rated for channel flows up to 9.0 ft/s (2.7 m/s) and 2.25 lb/ft² (108 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex II measurements at time of manufacturing:

| | | | |
|---------------------------------------|--|--|--|
| Width | 4.0 ft (1.2 m) | 8.0 ft (2.4 m) | 16.0 ft (4.9 m) |
| Length | 112.5 ft (34.29 m) | 112.5 ft (34.29 m) | 112.5 ft (34.29 m) |
| Area | 50.0 yd ² (41.8 m ²) | 100.0 yd ² (83.6 m ²) | 200.0 yd ² (167.2 m ²) |
| Weight^a | 36.5 lb (16.6 kg) | 73.0 lb (33.1 kg) | 146.0 lb (66.2 kg) |
| Fiber Count | ≈7,000 per yd ² (≈8,400 per m ²) | ≈7,000 per yd ² (≈8,400 per m ²) | ≈7,000 per yd ² (≈8,400 per m ²) |
| Fiber Length (80% min.) | ≥6.0 in (≥15.2 cm) | ≥6.0 in (≥15.2 cm) | ≥6.0 in (≥15.2 cm) |
| Mass per Unit Area (± 10%) | 0.73 lb/yd ² (0.40 kg/m ²) | 0.73 lb/yd ² (0.40 kg/m ²) | 0.73 lb/yd ² (0.40 kg/m ²) |
| Net Openings | 1.0 in x 2.0 in (25.4 mm x 50.8 mm) | 1.0 in x 2.0 in (25.4 mm x 50.8 mm) | 1.0 in x 2.0 in (25.4 mm x 50.8 mm) |

TYPICAL INDEX VALUES

| Index Property | Test Method | Value |
|--------------------------|--------------------|---|
| Thickness | ASTM D 6525 | 0.327 in (8.31 mm) |
| Light Penetration | ASTM D 6567 | 29.5% |
| Resiliency | ASTM D 6524 | 64% |
| Mass per Unit Area | ASTM D 6475 | 0.66 lb/yd ² (0.358 kg/m ²) |
| MD-Tensile Strength Max. | ASTM D 6818 | 148.8 lb/ft (2.17 kN/m) |
| TD-Tensile Strength Max. | ASTM D 6818 | 39.6 lb/ft (0.58 kN/m) |
| MD-Elongation | ASTM D 6818 | 28.3% |
| TD-Elongation | ASTM D 6818 | 22.7% |
| Swell | ECTC Procedure | 89% |
| Water Absorption | ASTM D 1117/ECTC | 228% |
| Bench-Scale Rain Splash | ASTM D 7101 | SLR = 9.50 @ 2 in/hr ^{b,c} |
| Bench-Scale Rain Splash | ASTM D 7101 | SLR = 10.29 @ 4 in/hr ^{b,c} |
| Bench-Scale Rain Splash | ASTM D 7101 | SLR = 8.45 @ 6 in/hr ^{b,c} |
| Bench-Scale Shear | ASTM D 7207 | 2.86 lb/ft ² @ 0.5 in soil loss ^c |
| Germination Improvement | ASTM D 7322 | Pass |

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

^b SLR is the Soil Loss Ratio, as reported by NTPEP/AASHTO. ^c Bench-scale index values should not be used for design purposes.





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Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**