



EROSION CONTROL
TECHNOLOGY COUNCIL
ESTD - 1992
DIRECTING MEMBER



PRODUCT DATA SHEET **CURLEX® HIGH VELOCITY™**

DESCRIPTION

Curlex High Velocity (HV) 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 HV black net. Curlex High Velocity is also available as QuickGRASS® (green pigment). Curlex High Velocity shall be manufactured in the U.S.A.

Curlex HV has a design soil loss ratio (event-based RUSLE C factor) of .022 and is typically suitable for slopes up to .75H:1V. Curlex HV is rated for channel flows up to 11 ft/s (3.4 m/s) and 3.25 lb/ft² (156 Pa) shear stress.

PHYSICAL PROPERTIES

Curlex High Velocity measurements at time of manufacturing:

Width		4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length		100.0 ft (30.5 m)	50.0 ft (15.2 m)
Area		44.4 yd ² (37.1 m ²)	44.4 yd ² (37.1 m ²)
Weight^a		71.9 lb (32.6 kg)	71.9 lb (32.6 kg)
Fiber Count		≈15,500 per yd ² (≈18,600 per m ²)	≈15,500 per yd ² (≈18,600 per m ²)
Fiber Length (80% min.)		≥6.0 in (≥15.2 cm)	≥6.0 in (≥15.2 cm)
Mass per Unit Area (± 10%)		1.62 lb/yd ² (0.88 kg/m ²)	1.62 lb/yd ² (0.88 kg/m ²)
Net Openings	Polypropylene	0.75 in x 0.75 in (19.1 mm x 19.1 mm)	0.75 in x 0.75 in (19.1 mm x 19.1 mm)
	FibreNet™ (Jute)	0.5 in x 1.0 in (12.7 mm x 25.4 mm)	0.5 in x 1.0 in (12.7 mm x 25.4 mm)

TYPICAL INDEX VALUES

Index Property	Test Method	Value
Thickness	ASTM D 6525	0.537 in (13.6 mm)
Light Penetration	ASTM D 6567	7.4%
Resiliency	ASTM D 1777/ECTC	53%
Mass per Unit Area	ASTM D 6475	1.078 lb/yd ² (0.585 kg/m ²)
MD-Tensile Strength Max.	ASTM D 6818	279.6 lb/ft (4.08 kN/m)
TD-Tensile Strength Max.	ASTM D 6818	213.6 lb/ft (3.12 kN/m)
MD-Elongation	ASTM D 6818	23.1%
TD-Elongation	ASTM D 6818	24.7%
Swell	ECTC Procedure	48%
Water Absorption	ASTM D 1117/ECTC	194%
Bench-Scale Rain Splash	ASTM D 7101	SLR = 12.84 @ 2 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 12.27 @ 4 in/hr ^{b,c}
Bench-Scale Rain Splash	ASTM D 7101	SLR = 11.76 @ 6 in/hr ^{b,c}
Bench-Scale Shear	ASTM D 7207	4.2 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.





Bowman
Construction
Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

LOCATIONS & CONTACT INFO

ASP ENTERPRISES

aspent.com
salesasp@aspent.com

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com
salesbcs@bowmanconstructionsupply.com

QUICK SUPPLY CO.

quicksupplyco.com
salesquick@quicksupplyco.com

CASCADE GEOSYNTHETICS

cascadegeos.com
salescascade@cascadegeos.com

St. Louis, MO 636.343.4357
Omaha, NE 402.861.8579
Kansas City, MO 816.554.1191
Wichita, KS 316.393.1554

Denver, CO 303.696.8960
Colorado Springs, CO 719.257.7840
Loveland, CO 970.535.0863

Des Moines, IA
515.289.1271

Portland, OR
971.339.1020

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