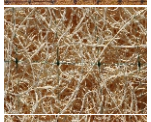
American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

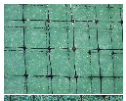
Product Information and Application Guidelines

Degradable Erosion Control Blankets (ECBs)

	Product	Channels: Permissible Shear Stress [lb/ft² (Pa)]	Channels: Permissible Velocity [ft/s (m/s)]	Slope	Functional Longevity (months)[a]	Matrix	QuickGRASS® Option	FibreNet™ Option
	Curlex® NetFree™	1.0 (48)	3.0 (0.9)	≤ 3H:1V	≤ 18 (100% biodegradable)	Great Lakes Aspen (naturally seed free)		
	AEC Premier Straw® Single Net	1.55 (74)	4.5 (1.4)	≤ 3H:1V	≤ 12	Agricultural Straw		√
	Curlex® I CL	1.60 (77)	5.0 (1.5)	≤ 2H:1V	≤ 15	Great Lakes Aspen (naturally seed free)	√	
	AEC Premier Straw® Double Net	1.75 (84)	7.0 (2.1)	≤ 2H:1V	≤ 12	Agricultural Straw		√
	Curlex® I	1.75 (84)	7.0 (2.1)	≤ 2H:1V	≤ 18	Great Lakes Aspen (naturally seed free)	√	√
	Curlex® II CL	1.80 (86)	7.3 (2.2)	≤ 1.5H:1V	≤ 18	Great Lakes Aspen (naturally seed free)	√	
	AEC Premier Straw/Coconut™	2.0 (96)	8.5 (2.6)	≤ 1.5H:1V	≤ 24	70% Straw & 30% Coconut		√
	Curlex® II	2.25 (108)	9.0 (2.7)	≤ 1.5H:1V	≤ 24	Great Lakes Aspen (naturally seed free)	√	√
	AEC Premier Coconut™	2.25 (108)	9.0 (2.7)	≤ 1H:1V	≤ 36	Coconut		√
	Curlex® II .98	2.5 (120)	10.0 (3.1)	≤ 1H:1V	≤ 30	Great Lakes Aspen (naturally seed free)	√	√
	Curlex® III	2.5 (120)	10.0 (3.1)	≤ 1H:1V	≤ 36	Great Lakes Aspen (naturally seed free)	√	√
	Curlex® High Velocity™	3.25 (156)	11.0 (3.4)	≤ .75H:1V	36 +	Great Lakes Aspen (naturally seed free)	√	√

Product Information and Application Guidelines...cont.

Turf Reinforcement Mats (TRMs)

	Product	Channels: Permissible Shear Stress [lb/ft² (Pa)]	Channels: Permissible Velocity [ft/s (m/s)]	Slope	Functional Longevity (months)[a]	Matrix	Color Option
	Recyclex® TRM - V	8+ (384+)	16+ (4.9+)	≤ .5H:1V	Permanent	Crimped Recycled Poly	Green
	Curlex® Enforcer® [b]	10 (480)	17 (5.2)	≤ .5H:1V	Permanent	Great Lakes Aspen (naturally seed free)	QuickGRASS® or Natural
	TriNet® Straw/Coconut [b]	10 (480)	15 (4.57)	≤ .5H:1V	Permanent	70% Agricultural Straw & 30% Coconut	N/A
	Recyclex® TRM	10+ (480+)	17+ (5.2+)	≤ .5H:1V	Permanent	Crimped Recycled Poly	Green
	TriNet® Coconut [b]	12 (575)	20 (6.1)	≤ .5H:1V	Permanent	Coconut	N/A
	TriNet® Curlex® [b]	13 (622)	20 (6.1)	≤ .5H:1V	Permanent	Great Lakes Aspen (naturally seed free)	Natural
	TriNet® Recyclex®	14 (670)	25 (7.62)	≤ .5H:1V	Permanent	Crimped Recycled Poly	Green

Sediment Control/Shoreline and Streambank Stabilization

	Product	Functional Longevity (months)[a]	Matrix	Application	Sediment Control	Shoreline & Streambank Stabilization
	Curlex® SiltTRAP™	≤ 24	Great Lakes Aspen (naturally seed free)	≤ 8H:1V slope, Non channelized flow conditions	√	
	Curlex® Sediment Log®	≤ 24	Great Lakes Aspen (naturally seed free)	In channels, across slopes, inlet protection, perimeter control	√	
	AEC Premier Straw® Wattle	≤ 18	Agricultural Straw	Low flow channel bottoms, across slopes	√	
	Curlex® Bloc	≥ 36	Great Lakes Aspen (naturally seed free)	Shoreline and Streambank Stabilization and other applications	√	√
	Curlex® Hi-Vis Excelsior Logs	36 +	Great Lakes Aspen (naturally seed free)	Perimeter control, stockpile control, delineate sensitive areas	√	

Hydraulic Mulch

Product	Materials	Functional Longevity (months)[a]	Slope
Excel® Fibermulch II	Great Lakes Aspen (naturally seed free) tackifier and green pigment	≤ 3	≤ 4H:1V

Accessories

Product	Materials	Application
E-Staple® (4 in or 6 in)	100% Biodegradable	Staples for anchoring rolled erosion control products and turf
U-Shaped Steel Wire Staples	Hard Drawn Steel Wire	Staples for anchoring rolled erosion control products and turf

[a] Functional longevity varies by region due to differences in climatic conditions. [b] TRM is a biocomposite turf reinforcement mat.

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