



American
Excelsior
Company®

The Inventors of Curlex®

The Most Trusted Name in Erosion Control



Erosion Control



Revegetation



Sediment Control

A Legacy Spanning More Than 130 Years

For more than a century, American Excelsior Company® (AEC) has manufactured and distributed complete lines of products for packaging, cushioning, engineered foam specialties, erosion and sediment control, and a wide variety of engineered wood fibers.

Success Through Innovation...

1963 — AEC invents erosion control blankets (ECBs) with Curlex® I.

1980 — First double net ECB (Curlex® II) introduced.

1985 — First high velocity ECB (Curlex® High Velocity™) introduced.

1994 — First excelsior sediment log (Curlex® Sediment Log®) for filtration introduced.

1995 — American Excelsior Company's Earth Science Division formed.

1996 — ErosionLab® large-scale erosion & sediment control testing laboratory opens.

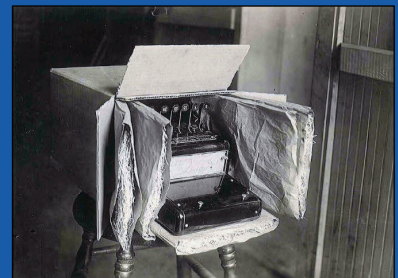
2000 — First ECB with no netting (Curlex® NetFree™) introduced.

2001 — First TRM using post-consumer, recycled fibers (Recyclex® TRM) introduced.

2006 — First 100% biodegradable turf staple (E-Staple®) introduced.

2012 — Curlex® Bloc, an American-made coir log alternative and natural filter introduced to the market.

2018 — Introduction of TriNet® family of TRMs.



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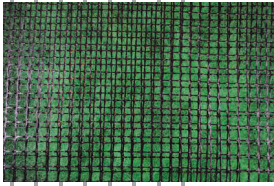
1929



2018

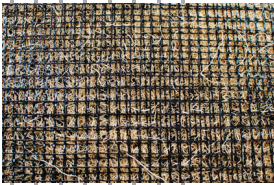
Turf Reinforcement Mats (TRMs)

TriNet® Family of TRMs: Three Netted Heavy Duty TRMs for Permanent Protection in Critical Areas Where Vegetation Alone Requires Extra Protection From Shear Stress Forces



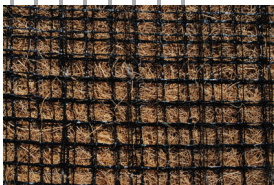
TriNet® Recyclex®

100% recycled synthetic fibers and two layers of ultra-heavy duty UV stabilized netting (top and bottom) with an ultra-heavy duty (middle) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Recyclex is a turf reinforcement mat (TRM).



TriNet® Curlex®

Great Lakes Aspen excelsior wood fibers covered with two layers of ultra-heavy duty UV stabilized netting (top and middle) with a super heavy duty (bottom) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Curlex is a bio composite turf reinforcement mat (TRM).



TriNet® Coconut

Cocunut fibers and two layers of super heavy duty UV stabilized netting (top and bottom) with an ultra-heavy duty (middle) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Coconut is a bio composite turf reinforcement mat (TRM).



TriNet® Straw/Coconut

A blend of 70% finest quality agricultural straw fibers and 30 % cocunut fibers and two layers of heavy duty UV stabilized netting (top and bottom) with an ultra-heavy duty (middle) netting designed to provide permanent service life and reinforcement between established vegetation and root systems on slopes and in channel bottoms. TriNet Straw/Coconut is a bio composite turf reinforcement mat (TRM).



Recyclex® TR® and Recyclex® TRM-V

The Recyclex® family of products are the first permanent turf reinforcement mats (TRMs) with fibers made from 100% recycled post-consumer goods - "green bottles". Not only are Recyclex products environmentally responsible, they are designed to meet your most difficult erosion control challenges. For long-term permanent erosion control, a Recyclex product is the answer.



Curlex® Enforcer®

Naturally seed free Great Lakes Aspen excelsior fibers are bound by two layers of extra heavy-duty black UV stabilized netting to provide permanent reinforcement between established vegetation and root systems in channel bottoms or on slopes. Curlex Enforcer is a bio composite turf reinforcement mat (TRM).

Long-Term Erosion Control Blankets



Curlex® III

Naturally seed-free Great Lakes Aspen excelsior fibers designed to provide protection for grass seed and topsoil from wind and water erosion for ≤ 36 months, while simultaneously promoting ideal growing conditions, without the use of chemical additives. A variety of netting options are available depending on your project requirements, including FibreNet™ to meet your biodegradable needs. Available in natural Aspen or QuickGRASS® for a green, finished look.



AEC Premier Coconut™

AEC Premiere Coconut ECB is made from the finest quality strands of coconut fibers. A variety of netting options are available depending on your project requirements, including FibreNet to meet your biodegradable needs.



Curlex® II

Naturally seed-free Great Lakes Aspen excelsior fibers designed to provide protection for grass seed and topsoil from wind and water erosion for ≤ 24 months, while simultaneously promoting ideal growing conditions, without the use of chemical additives. A variety of netting options are available depending on your project requirements, including FibreNet to meet your biodegradable needs. Available in natural Aspen or QuickGRASS for a green, finished look.



AEC Premier Straw/Coconut™ Blankets

70% finest quality agricultural straw fibers and 30% top quality coconut fibers. A variety of netting options are available depending on your project requirements, including FibreNet to meet your biodegradable needs.

Erosion Control Blanket Installation Made Easier

American Excelsior Company® has manufactured a folded end of roll erosion control blanket (ECB) for over 20 years. This feature comes standard on most of our Curlex ECBs. The fold allows the complete unrolling of the ECB and increases the efficiency of installation. Figures 1 through 4 illustrate how easy it is to unroll the end of our Curlex ECBs. The solution is another added benefit that comes standard when you select Curlex ECBs from American Excelsior—the company that invented ECBs.



Locate red line near the end of the ECB.



Pull end of ECB along red line.



Walk ECB back, while holding near both corners.



Properly position unrolled ECB for installation.

Short-Term Erosion Control Blankets

Curlex® I - The Original Erosion Control Blanket

Developed in 1963, Curlex® excelsior blankets contain specifically engineered Great Lakes Aspen curled wood excelsior with 80% six-inch fibers or greater fiber length. These unique properties promote ideal growing conditions for grass seed, while simultaneously protecting topsoil from wind and water erosion. Curlex blankets also have a built-in swell factor-wet, curled excelsior fibers expand and interlock to form a strong fiber matrix. A variety of netting options are available depending on your project requirements, including FibreNet™ to meet your biodegradable needs. Available in natural Aspen or QuickGRASS® for a green, finished look.



Curlex® CL Blankets

A cost-effective, lighter version of standard Curlex, CL provides performance and vegetation establishment benefits superior to straight lined fiber blankets such as straw. A variety of netting options are available depending on your project requirements. Available in natural Aspen or QuickGRASS® for a green finished look.

AEC Premier Straw® Blankets

AEC Premier Straw blankets use only finest quality agricultural straw fibers. A single or double net is then stitched to the topside or both sides of the ECB. A variety of netting options are available depending on your project requirements, including FibreNet to meet your biodegradable needs.



Curlex® NetFree™ Blankets

NetFree means no more tripping on netting, no more entrapment of wildlife and pets and no more netting tangled in mowing equipment. NetFree contains interlocking, curled and barbed Great Lakes Aspen fibers stitched into the blanket with biodegradable thread. NetFree is 100% biodegradable.



Hydraulic Mulches



Bindex™ Family of Mulches

The Bindex family of hydraulic mulches includes Bindex bonded fiber matrix (BFM) along with standard wood fiber and wood/paper blended mulches.

Excel® Fibermulch II

Excel Fibermulch II is made from all-natural, Great Lakes Aspen wood fibers, providing an organic cover to protect seeds, enhance germination, and hasten revegetation when mixed with water.

Sediment Control Devices



Curlex® Bloc

American-made alternative to coir logs, Curlex Blocs are designed to be functional for 3+ years. Biodegradable containment material is designed to start degrading to allow voluntary seed and sediment into the Curlex® fiber matrix. Applications include: shoreline erosion, sediment, and perimeter control, and around inlets or outlets. Product is naturally seed-free and nontoxic, flat/rectangular in design, high density, and excellent natural filter.



Curlex® Sediment Log®

Environmentally-friendly, degradable, naturally seed-free Curlex Sediment Logs allow water to filter through (not underneath) the diameter of the porous, interlocked fiber log matrix. As it does, velocity is reduced and sediment is collected on the upstream side of the excelsior fiber log, as well as in the curled and barded fiber matrix.



Curlex® SiltTRAP™

Curlex SiltTRAP offers a unique way of installing a temporary buffer strip to capture sediment before it washes away, filling gutters, clogging pipes, and generally creating a mess. The naturally seed-free, unique Curlex excelsior fibers in SiltTRAP™ filter soil from the runoff and greatly reduce off-site problems without the installation and disposal hassles of silt fence.



AEC Premier Straw® Wattles

Tubular products consisting of the finest quality agricultural straw fibers encased in durable netting. Straw wattles are dense and pool water, unlike Curlex Sediment Logs that allow water to filter through its porous matrix.



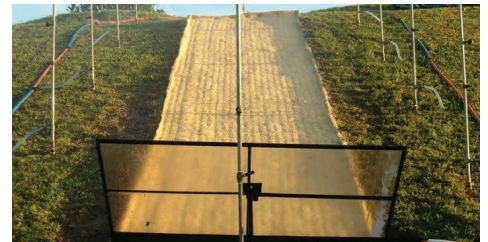
Curlex® Natural Filtration

Many know that Curlex fibers provide superior erosion control performance, but did you know that Curlex fibers unique ability to naturally filter contaminants as water flows through the organic filtration matrix comes standard with all Curlex brand products?

Curlex engineered fibers naturally filter contaminants ranging from heavy metals to sediments. Curlex fibers remove polynuclear aromatic hydrocarbons (PAHs) so effectively that they are a preapproved oil sorbent with the US EPA. Curlex fibers also buffer pH levels. All these performance benefits come with Curlex brand solutions, while products containing other fiber types (i.e. straw, coconut, poly) do not naturally provide all these value-added performance capabilities.

ErosionLab®

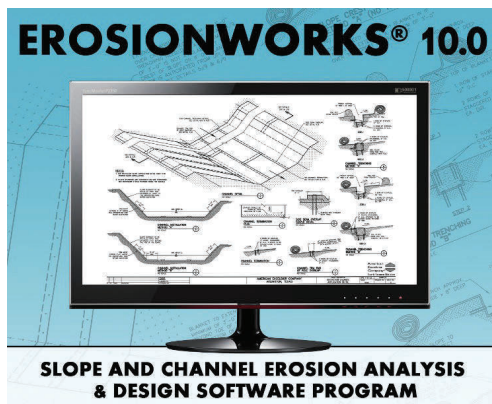
ErosionLab has been a great resource to city, county, state, and federal agencies, as well as the engineering and landscape architect professionals, since its opening in 1996. The facility is the largest privately-owned lab of its kind, and is viewed by many organizations as an industry leader, demonstrating commitment on behalf of the erosion control industry.



Trained & Certified Professionals in Erosion and Sediment Control (CPESC) and Certified Professionals in Stormwater Quality (CPSWQ) staff oversees testing of erosion and sediment control products, educational field days, and research and development processes. The large-scale erosion control testing laboratory follows several ASTM methods in its three primary facilities: the Rainfall Erosion Facility (REF), the Channel Erosion Research Facility (CERF), and the Sediment Control Facility (SCF). The lab has allowed American Excelsior Company® to test and retest various new ideas through the research and development process followed at ErosionLab.

ErosionWorks®

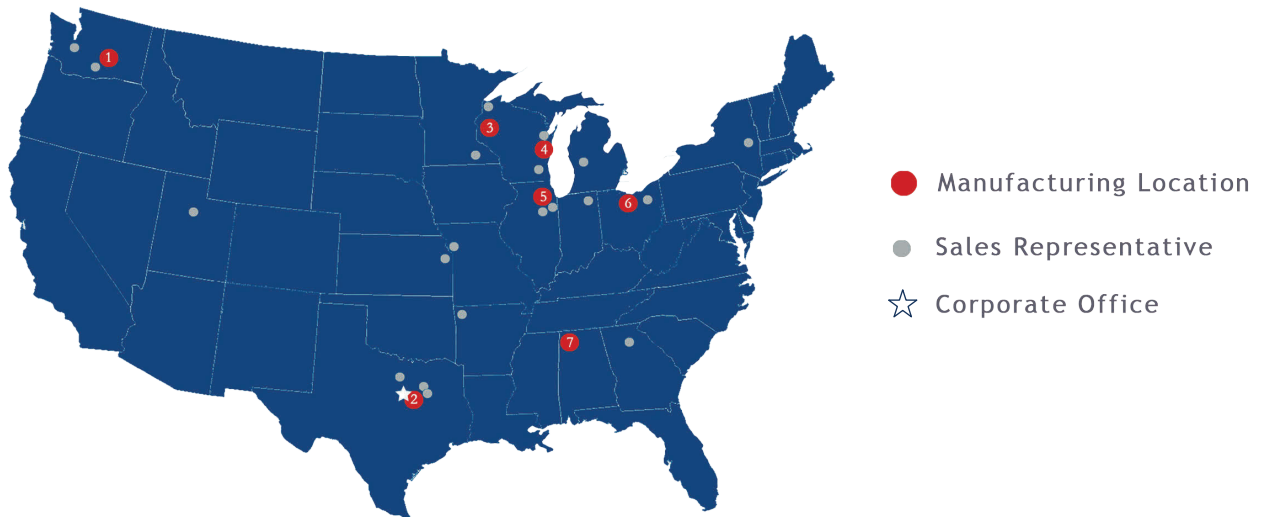
ErosionWorks is a free slope and channel erosion analysis and design software program.



- No more downloads! All program features now available online
- New slope interruption devices incorporated
- New enhanced Digital Plan Book for easier specifying
- New Good, Better, Best recommendations for all slope and channel erosion calculations
- New simplified Material Estimator functionality
- New report formats and management features based on user feedback
- New searchable DOT approvals by state
- Single storm event design with local data

One Manufacturer. Multiple Locations. All Solutions.

As a leading manufacturer of erosion and sediment control, wood fibers, and flexible foams, American Excelsior Company[®] has what you need for all of your erosion, sediment, filtration and revegetation needs. Our multiple locations and over five-hundred distributor outlets throughout the United States have everything from hydraulic mulches, straw and wattles to excelsior blankets, sediment logs and turf reinforcement mats. We are also home to the industry's largest privately-owned, large-scale testing facility, ErosionLab[®], which is used for research and development as well as industry education.



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