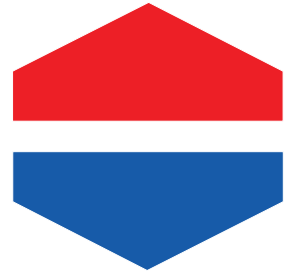


American  
Excelsior  
Company®



## The Inventors of Curlex®

The Most Trusted Name in Erosion Control



EROSION CONTROL



REVEGETATION



SEDIMENT CONTROL



STORMWATER

1.800.777.SOIL (7645) | [Curlex.com](http://Curlex.com)



# A Legacy Spanning More Than 135 Years

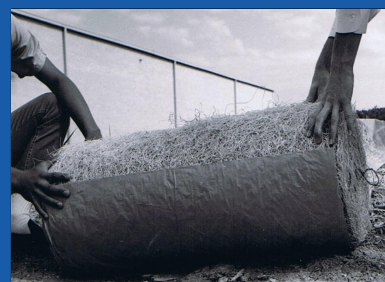
For more than a century, American Excelsior Company® (AEC) has manufactured and distributed complete lines of products for packaging, cushioning, engineered foam specialties, erosion and sediment control, and a wide variety of engineered wood fibers. This brochure highlights our **Earth Science Division's** products and services.

## 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 is formed.
- 1996** - ErosionLab® large-scale erosion and 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 three-netted TRMs.
- 2020** - Introduction of Curlex® Hi-Vis Excelsior Logs™.



1888



1963



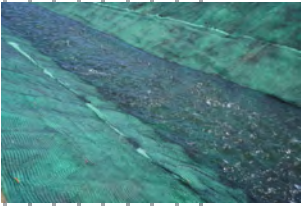
2018



2020

# 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 are covered in 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**

Coconut 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% coconut 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® TRM and Recyclex® TRM-V**

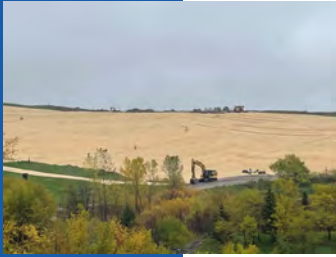
The Recyclex® family of products are the first permanent turf reinforcement mats (TRMs) with fibers made from 100% post-consumer goods - "green bottles". Not only are Recyclex® products environmentally responsible, but they are also designed to meet your most difficult erosion control challenges. For 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 extra heavy-duty black UV stabilized nets 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® High Velocity™

36+ months of protection and a mass per unit area of 1.62 lb/yd<sup>2</sup>. Curlex® fibers can be used at this higher density because they expand and contract. This allows vegetation to grow through the matrix. If straw or coconut fibers were used at this density, they would prevent vegetation establishment. A variety of netting options are available, including FibreNet™ to meet your biodegradable needs. Available in natural Aspen or QuickGRASS® for a green, finished look.



## Curlex® III

Naturally seed-free Great Lakes Aspen excelsior fibers are 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, including FibreNet™ to meet your biodegradable needs. Available in natural Aspen or QuickGRASS® for a green, finished look.



## AEC Premier Coconut™

AEC Premier Coconut™ erosion control blankets are made from the finest quality strands of coconut fibers to create a blanket that lasts longer than standard straw or straw/coconut blankets (up to 36 months). A variety of netting options are available depending on your project requirements, including long lasting photo-degradable UV enhanced nettings, as well as our FibreNet™ 100% biodegradable netting for environmentally sensitive areas.



## Curlex® II

Naturally seed-free Great Lakes Aspen excelsior fibers are 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, including FibreNet™ to meet your biodegradable needs. Available in natural Aspen or QuickGRASS® for a green, finished look.



## AEC Premier Straw/Coconut™

Combines 70% of the finest quality agricultural fibers and 30% top quality coconut fibers to create a blanket that lasts longer than standard straw blankets (up to 24 months). A variety of netting options are available depending on your project requirements, including longer duration photo-degradable UV enhanced nettings as well as our FibreNet™ 100% biodegradable netting for environmentally sensitive areas.

## Curlex® Erosion Control Blanket Installation Made Easier



1. Locate red line near the end of the ECB.



2. Pull end of ECB along red line.



3. Walk ECB back while holding near both corners.



4. Properly position unrolled ECB for installation.



# Short-Term Erosion Control Blankets

## Curlex® I

Developed in 1963, Curlex® blankets are made with engineered Great Lakes Aspen excelsior fibers. 80% of the fibers are  $\geq 6$ " long, and they promote ideal growing conditions while protecting topsoil from erosion. Curlex® blankets have a built-in swell factor. A variety of netting options are available, 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, including FibreNet™ to meet your biodegradable needs. Available in natural Aspen or QuickGRASS® for a green, finished look.



## AEC Premier Straw® Blankets

AEC Premier Straw® blankets use only the finest quality agricultural straw fibers. A single or double net is stitched to the top side 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 tangled netting in mowing equipment. NetFree™ contains interlocking, curled 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.



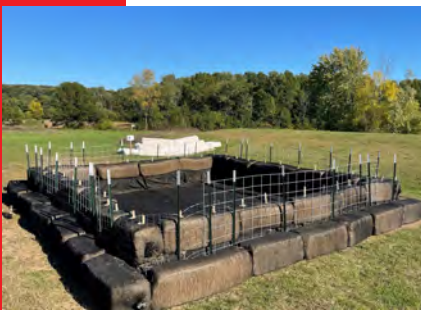
## Excel® Fibermulch II

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.

# Curlex® Natural Filtration, Dewatering and Sediment Control Devices

Many know that Curlex® fibers provide superior erosion control performance, but did you know that Curlex® fibers naturally filter contaminants as water flows through the organic filtration matrix? This unique ability 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 because they are made from fibers which are listed by the EPA as a known sorbent. These performance benefits come with all Curlex® brand solutions, while products containing other fiber types (i.e. straw, coconut, poly) do not naturally provide these value-added performance capabilities.



## Curlex® Bloc

American-made alternatives to coir logs, Curlex® Bloc is 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, perimeter control, dewatering, and more. Naturally seed-free and nontoxic with a flat/rectangular, high-density design.



## Curlex® Hi-Vis Excelsior Logs™

Featuring a durable polyethylene shell filled with Curlex® fibers, made from materials listed with the EPA as a known sorbent, these logs are perfect for a variety of sediment control applications. The heavy-duty handles make them easy to move, and the Hi-Vis shell makes them a perfect fit for controlling site access and delineating sensitive areas.



## Curlex® Sediment Log®

Environmentally friendly, degradable, naturally seed-free Curlex® Sediment Log® allows 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 barbed 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 runoff and greatly reduce off-site problems without the installation and disposal hassles of silt fence.





# ErosionLab®

Since 1996, ErosionLab® has been a great resource to city, county, state, and federal agencies as well as engineering and landscape architect professionals. 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.

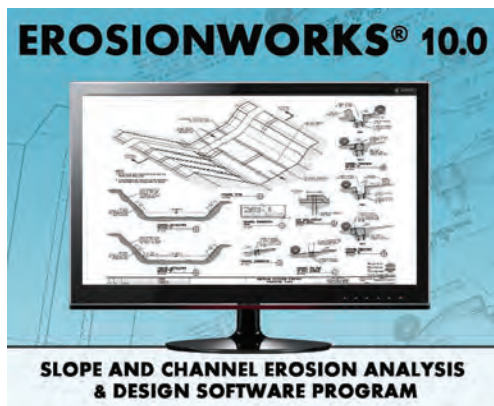
**CPESC** and **CPSWQ** staff oversee **ASTM** testing of erosion and sediment control products, educational field days, and research and development processes.



[www.erosionlab.com](http://www.erosionlab.com)

## ErosionWorks®

*ErosionWorks® is a free cloud-based slope and channel erosion analysis and design application.*



- No more downloads; all application features are 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.

[www.erosionworks.com](http://www.erosionworks.com)

# One Manufacturer. Multiple Locations. All Solutions.

As a leading manufacturer of erosion and sediment control solutions, 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 blankets, and wattles to Curlex® 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.

## HONESTY, ETHICS, AND INNOVATION!



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- Sales Representative
- ☆ Corporate Office

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**5** WEST CHICAGO, IL  
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West Chicago, IL 60185  
P: 630-693-3200  
F: 630-693-9241

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