American Excelsior Company®
Earth Science Division

Proud Participant in NTPEP and Proud Member of:

American Excelsior Company® YouTube Videos

Unrolling Curlex® Erosion Control Blankets

Easy step-by-step instructions for opening and unrolling your Curlex Erosion Control Blanket.
https://www.youtube.com/watch?v=-qIYFZWDPYg

Curlex® vs Straw

Should erosion control blankets stay in contact with the soil? We think so. Curlex fiber blanket does not float with channelized sheet flow, but straw blankets float losing the intimate contact with the soil surface so you lose soil.
https://www.youtube.com/watch?v=dQFhbgRduW8&feature=youtu.be

How to Install Curlex Blankets with Trench Methods A & B

During installation of Curlex Blankets the start of the roll needs to be installed in a trench or rolled 3 feet over the crest of the slope. This video details Trench Method A & B used in installing Curlex Erosion Control Blankets.
https://www.youtube.com/watch?v=DKVBiXgWIK4

Curlex® SiltTRAP™

Keep the soil on your site and off of the road with Curlex SiltTRAP. Curlex SiltTRAP provides an aesthetically pleasing green color for a clean, finished look for your development. Curlex SiltTRAP is made with proven Curlex engineered fibers.
https://www.youtube.com/watch?v=7f_Y1qjGg68

Curlex® Bloc Installation

Curlex Bloc are manufactured in the U.S.A. with native Great Lakes Aspen fibers, an alternative to coir logs. The Curlex fiber matrix is naturally seed free and nontoxic. The standard 100% natural biodegradable containment material is designed to start degrading during the first year to allow voluntary seed and sediment into the Curlex fiber matrix. Applications include shoreline erosion, sediment, and perimeter control, and around inlets or outlets. This video demonstrates installation for a shoreline application.
https://www.youtube.com/watch?v=D8b3B3XbE7o

Channel Shear Stress Examples

Channel shear stress examples from 2 psf to 8 psf at American Excelsior Company's ErosionLab test facility. See water flows ramped up to 8 psf in a vegetated channel with Recyclex TRM installation that has been in place for over 20 years.
https://www.youtube.com/watch?v=d8YFynI2Cdg

Curlex® III Pipeline Protection

Curlex III Aspen Excelsior used to protect pipeline installation erosion control needs. In addition to high-performing Curlex blankets, American Excelsior Company manufacturers turf reinforcement mats (TRMs), Curlex Hi-Vis logs, Curlex Bloc for natural dewatering, and several other products that provide successful solutions for erosion control, sediment control, and revegetation challenges that are experienced on pipelines.
https://www.youtube.com/watch?v=6Wx-C2LkHYU

Curlex® Fibers Remove Oil from Water

Curlex Wood Fibers Remove Oil From Water in Seconds!
http://www.youtube.com/watch?v=3YjZF_5Pn1Y

Oil Solution with Curlex®

Oil spill beach protection solution with Curlex products is shown in a wave simulator.
http://www.youtube.com/watch?v=HON1B3I-F2c

Gulf Oil Spill Cleanup Efforts by American Excelsior Company®

American Excelsior Company has tested Curlex in the lab and recently installed and monitored Curlex in Gulf coast beaches exposed to landfall oil. Curlex is a more efficient and effective solution to the oil spill cleanup efforts, but workers will not utilize the solution until authorized by BP. Please help spread the word so we can start protecting our precious Gulf beaches!
http://www.youtube.com/watch?v=ZNYpJ9itupg

Does Your TRM Float During Hydraulic Events

Surprisingly, several Turf Reinforcement Mats (TRMs) available today float in water. Floating TRMs allow water under the TRM between anchoring devices during hydraulic flows, which leads to erosion. Intimate contact with the subgrade is critical to successful erosion control applications that use TRMs. Would you rather have your TRM floating or intimately contacting the subgrade during a hydraulic event? American Excelsior Company's Recyclex® family of TRMs do not float in water.
https://www.youtube.com/watch?v=qYTQPPEDZlQ

Curlex® Sediment Log®: Iowa DOT

American Excelsior's Curlex® Sediment Log® used during an Iowa DOT project provided protection during both a record-breaking rainfall in August 2018 and record-breaking snowfall during January and February 2019.
https://www.youtube.com/watch?v=6borMdI2MhE&feature=youtu.be

Curlex® Natural Mechanical Functions

As Curlex fibers are wetted they swell and dig into the soil. As Curlex fibers dig into the soil they reduce soil movement keeping soil, seed, and fertilizer in place. This reduces erosion and allows the seed to germinate.
http://www.youtube.com/watch?v=77daRrzMX_I

Comparison of Erosion Control Blanket Fibers

Curlex Erosion Control Fibers are compared to other erosion control fibers. Curlex fibers are engineered specifically for erosion control. Curlex has curled and barbed edges that allow the other Curlex fibers to "grab" onto each other and the soil. Curlex fibers create an ideal environment for establishing vegetation.
http://www.youtube.com/watch?v=eCGI0_mtxoY

Ecologically Friendly Fibers

100% natural and 100% biodegradable Curlex fibers are used for erosion control.
http://www.youtube.com/watch?v=BIDYee8hmkc

Protecting Sensitive Water Resources with Curlex® II

Curlex II installed on a disturbed site protects sensitive water resource that are holistically connected. Video contains partial coverage recorded by a drone.
https://www.youtube.com/watch?v=Y1HIz0OmkXU

Recyclex® TRM-V Protects Channel During Multiple Large Storms

Recyclex TRM – V protects a drainage channel hit by multiple storms in just a few days. Water flows send massive amounts of debris through the channel and Recyclex TRM – V holds up.
https://www.youtube.com/watch?v=2OnxkGLes1M

Curlex® Vegetation Establishment Time Lapse 28 Days Total

Curlex excelsior erosion control blankets are considered the industry standard by many because of the plethora of Curlex Features and Benefits. This video of time lapse photography shows vegetation establishment with Curlex. Multiple photos were taken each day with the first one shown approximately 6 days after installation. The last photo shown was taken 28 days after installation. The application took place in northern Wisconsin.
http://www.youtube.com/watch?v=iJqOpcf0IMs

Curlex® Sediment Log® Flow Through

One of the uses of Curlex Sediment Logs is to install them in ditches. Curlex Sediment Logs will slow water velocity and filter out sediment as ditches fill with storm water. Straw Wattles are dense and do not allow water to flow through them.
https://www.youtube.com/watch?v=ZXzESmsAqmY&t=1s

Fly Ash Slurry Filtration Using Curlex® Sediment Log®

Fly ash samples were collected from a coal plant in Ohio. Channel simulators were built to determine the reduction of total suspended solids (TSS) and turbidity of fly ash slurry exposed to Curlex Enforcer® and Curlex Sediment Log over a ninety-minute period. The results were remarkable.
https://www.youtube.com/watch?v=3V9DWa_wFCw

Fly Ash Slurry Filtration Using Curlex® Bloc

Fly ash samples were collected from a coal plant in Ohio. Channel simulators were built to determine the reduction of total suspended solids (TSS) and turbidity of fly ash slurry exposed to Curlex Enforcer® and Curlex Bloc over a ninety-minute period. The results were remarkable.
https://www.youtube.com/watch?v=Ohp3i723PN8

Native Slope Restoration With Curlex® SFW Wattles

Curlex SFW Wattles are installed for slope interruption to prevent mulch from washing into the lake. Video contains aerial coverage recorded by a drone.
https://www.youtube.com/watch?v=Rp19ZWrj6Ao

Curlex® Enforcer® and Curlex® Bloc Filter Station Simulation

All natural Curlex Blocs are very effective at removing fine sediments and other contaminants from runoff. Typically, flocculants have been used to remove these fine particles. A series of Curlex Bloc Filter Stations can be a valuable tool to help improve water quality without adding chemicals into the environment. See first-hand in this video how well the Curlex Bloc Filter Station works without the aid of chemicals. The channel was lined with Curlex Enforcer then the Curlex Bloc Filter Station was installed into the channel. A slurry of premixed sediment-laden water was added to the channel over the course of the four-hour long simulation.
https://www.youtube.com/watch?v=MTORoN2N_Rw&t=46s

Curlex® Green Savers™ Winter Protection Covers for Golf Course Greens

American Excelsior Company's Curlex Green Savers are natural excelsior covers that provide winter protection against drying winds, frost penetration, grass desiccation, and freezing cold on all golf course greens. Curlex Green Savers maintain a more constant surface temperature and allow excellent air circulation. Curlex Green Savers minimize heat buildup and the freeze thaw cycle, which helps to establish quality greens early in the season, thus extending the playing season by two to three weeks. This video shows the installation and removal processes along with the excellent results.
http://youtu.be/prAQ9NaZzGs

E-Staple® Tech Tip

American Excelsior Company's E-Staple is a biodegradable turf staple used to fasten erosion control blankets to the soil. E-Staple holds in soil better than traditional turf staples as well as other biodegradable turf staples.
http://www.youtube.com/watch?v=OZLqucec94M