



## Background



For over 60 years, engineered curled and barbed Curlex® Great Lakes aspen excelsior fibers have become the industry standard for stormwater and sediment control filtration material.

By varying the dimensions and composition of the containment material surrounding the Curlex fibers, American Excelsior Company® has developed a variety of effective and environmentally friendly filtering stormwater and sediment control solutions, led by Curlex® Sediment Log® and Curlex® Bloc.



The latest innovation in American Excelsior's line of filtering stormwater and sediment control solutions is shown in Figure 1: Curlex® Hi-Vis Excelsior Logs™.



Figure 1: Curlex Hi-Vis Excelsior Log.

## How Curlex Hi-Vis Excelsior Logs Have Been Used

### Stockpile Control



Curlex Hi-Vis Excelsior Logs are designed with superior filtering capability, durability, and ease of transport in mind. Each Curlex Hi-Vis Excelsior Log features industry-standard Curlex fibers within a highly durable yet flexible bright orange poly shell with flexible exterior handles. Figure 2 shows an instance where a soil stockpile was contained within a Curlex Hi-Vis Excelsior Log barrier.



Figure 2: Curlex Hi-Vis Excelsior Logs: stockpile control application.

### Perimeter Control



Curlex Hi-Vis Excelsior Logs effectively contain and filter sediment to help ensure that job sites comply with stringent NPDES guidelines. Coupled with their greater than 90% filtering efficiency rating based on ASTM D5141 testing, their inherent durability and flexibility allow them to be versatile and effective perimeter control best management practices (BMPs) (see Figure 3).



Figure 3: Curlex Hi-Vis Excelsior Logs: perimeter control application.

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## Inlet Protection



Curlex Hi-Vis Excelsior Logs can be installed around curb and drop inlets (see Figure 4) to effectively divert excess sediment and harmful pollutants away from stormwater drainage systems. They are available in a variety of lengths to accommodate a wide range of inlet sizes and types.



Figure 4: Curlex Hi-Vis Excelsior Logs:  
inlet protection application.

## Temporary Parking Lot Delineation



Curlex Hi-Vis Excelsior Logs effectively and safely delineate parking areas (example shown in Figure 5). Once the project has been completed, they can be transported and re-used at other job sites while still retaining their physical properties and field performance capabilities.



Figure 5: Curlex Hi-Vis Excelsior Logs:  
temporary parking lot delineation application.

## Hard Surface/Pavement



Curlex Hi-Vis Excelsior Logs are stacked and zip-tied on top of each other for greater mass on hard surfaces (triple stack configuration shown in Figure 6) where staking is not possible.



Figure 6: Curlex Hi-Vis Excelsior Logs:  
hard surface/pavement application.

## Site Access Control



Curlex Hi-Vis Excelsior Logs denote “caution” with their bright, durable shell and handles to both job site personnel and visitors, promoting safety and operational security in the process (see Figure 7).



Figure 7: Curlex Hi-Vis Excelsior Logs:  
site access control application.

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