

Curlex® QuickGRASS® Blankets

Excelsior Erosion Control Blankets - A Green Solution

American Excelsior Company is dedicated to protecting the environment. We developed Curlex® - the first erosion control blanket (ECB) - in the 1960s with engineered fibers that biodegrade in nature. We then created Curlex QuickGRASS in the 1990s because a green landscape is aesthetically pleasing. QuickGRASS® ECBs are green in color, which presents a finished, vegetated look until seeds germinate and plants replace the biodegradable matrix on the Curlex product. In addition, QuickGRASS ECBs foster a warmer atmosphere for seeds as compared to lighter colored blankets. Lighter colors have a greater albedo, which means they reflect more sun light. The green color of QuickGRASS absorbs more light and the energy from the sun increases the products temperature. American Excelsior Company once again kept the environment in mind when creating QuickGRASS.

There are two properties of QuickGRASS that ensure the green color remains on the Curlex fibers. First, QuickGRASS is colored by pigment dispersion. Second, a non-hazardous binder is applied to the green liquid, which attaches the non-water soluble pigments to the fibers to create QuickGRASS. Pigment dispersion and binders used to create QuickGRASS collectively ensure the green color remains on the Curlex fibers when exposed to water. All components of QuickGRASS comply with EPA and OSHA regulations regarding non-hazardous products.

QuickGRASS has been installed countless times in the past two decades (see Figures 1, 2, 3, & 4). In addition, numerous hydraulics tests have been conducted on QuickGRASS (see Figures 5 & 6). The unique QuickGRASS product maintains its green color after hydraulic events and provides the same superior erosion and sediment control features that are common to all Curlex brand products.



Figure 1. Curlex II QuickGRASS pad protection.



Figure 2. QuickGRASS a green solution for highway medians.



Figure 3. QuickGRASS provides an instant finished look, while protecting steep, long slopes.



Figure 4. QuickGRASS in an aesthetic solution to road side erosion control and revegetation.



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QuickGrass® Tech Note



Figure 5. Hydraulic flume testing of QuickGRASS.



Figure 6. White water exiting test channel flowing over green QuickGRASS.

Be sure to specify Curlex QuickGRASS the next time you use a green ECB. The following suggested specifications can be followed to ensure you are buying a green product that is aesthetically pleasing, safe for the environment, and provides the high level of performance you expect from a Curlex ECB.

SUGGESTED SPECIFICATIONS

- ECB shall be Curlex QuickGRASS, as manufactured by American Excelsior Company
- ECB shall be a temporary, degradable cover material containing 100% weed seed free excelsior wood fibers for the purpose of erosion control and revegetation
- Excelsior wood fibers shall be curled, interlocking fibers with barbed edges and shall be evenly distributed throughout the entire area of the product
- Fibers shall be green in color with 80% of fibers a minimum of 6 in (15.2 cm) long
- Green color shall be created by pigment dispersion and shall contain a non-hazardous binder
- All components of ECB shall comply with EPA and OSHA regulations regarding non-hazardous products
- Material Safety Data Sheet (MSDS) shall be provided for the product to ensure environmental compliance