

# Curlex<sup>®</sup> Sediment Logs<sup>®</sup>

## Excelsior Sediment Control Device

Curlex Sediment Logs use excelsior fibers to reduce hydraulic energy & filter sediment-laden runoff. Tired of straw and hay bale checks being blown out and the fibers washed downstream to clog the nearest outlet? Fed up with spending all of your time and effort installing silt fence only to see it get knocked down when it rains or a good wind comes along? How about when you have to go back and pick up the loose fibers and/or remove those worn out silt fences and take them to the landfill? Next time, consider giving our Bioengineered Sediment Logs a try. Water filters through (not underneath) the diameter of the porous, interlocked fiber log matrix. As it does, velocity is naturally reduced and sediment is collected on the upstream side of the excelsior fiber log. Install Curlex Sediment Logs over bare soil, over rolled erosion control products, on steep slopes, around inlets and outlets, or around jobsites for perimeter control.

### MATERIAL CHARACTERISTICS

Sediment Logs are versatile excelsior logs comprised of an outside containment fabric that is filled with unique Curlex fibers. Curlex fibers are made of Great Lake Aspen excelsior fibers. The fibers are curled with soft interlocking barbs and 80% will be six inches in length or longer. The outside, open weave containment fabric is degradable, thus Sediment Logs will degrade in place if not removed. Sediment Logs are porous, allowing water to pass through the excelsior matrix, progressively slowing velocity and filtering sediment as it passes through the log diameter. Sediment Logs are extremely flexible and contour to the terrain to maintain intimate contact with the subgrade. In addition, they come with six other benefits; lightweight, no trenching, no weed seeds, no disposal hassles, are re-usable, and they hold their shape.

### PERFORMANCE CAPABILITIES

#### Diameters

Type I - 50cm (20 in) energy dissipation in heavy duty concentrated flow areas, slope interruption, inlet protection, perimeter control

Type II - 30cm (12 in) energy dissipation in mild to medium concentrated flow areas, slope interruption, inlet protection, perimeter control

Type III - 23cm (9 in) energy dissipation in mild concentrated flow areas, slope interruption, inlet protection, perimeter control

Type IV - 15cm (6 in) energy dissipation in low concentrated flow areas, slope interruption, inlet protection, perimeter control

### TYPICAL APPLICATIONS

- Ditch bottoms, swales, and waterways
- Over bare soils and/or temporary & turf reinforcement blankets
- Drop structures and let down structures
- 360 degree protection around catch basins & drop inlet structures
- Curb & drainage outlets
- Project ingress & egress termination points
- As wattles on steep slopes
- Site perimeter control
- Use in place of bales, silt fence, reinforced silt fence, and rock checks



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