



GeoESC

Erosion and Sediment Control



With the right tool for the right job, Geostar Technologies has the solution to your erosion and sediment control problems. Geostar distributes American Excelsior Company products allowing us to offer a vast array of products from Hydraulic Mulch to Erosion Control Mats and Wattles and Sediment Logs that have been tried and tested for years. AEC has a long and esteemed reputation in the erosion and sediment control industry. Their product lines meet requirements for municipal use to address stormwater runoff regulations and are also approved for Transportation and Highway Department use. Geostar also offers a full line of silt fence products designed to help contain your site runoff.

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Erosion Control Blankets

(Curlex®, Curlex®CL, Curlex® Net-Free, AEC Premier Coconut)



ECBs are typically used to help control erosion on a variety of projects. With a variety of blankets available in temporary, long term, and permanent life expectancy ranges as well as a variety of netting and netless options we have the right product for your job.

- Highway embankments, ditch bottoms and slopes, bridges, approaches and medians
- Residential, commercial, & industrial developments
- Urban drainage, stream banks, and waterways
- Golf course fairways, roughs, waterways, & drop structures
- Landfill caps, side slopes, and let down structures
- Pipeline right-of-ways

Sediment Logs

(Curlex® Sediment Logs®)



Sediment logs use excelsior fibers encased in a degradable containment fabric. This allows the logs to significantly reduce hydraulic energy and filter sediment-laden runoff.

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

Turf Reinforcement Mats

(Recyclcx® TRM & Recyclcx® TRM-V)



Similar to erosion control blankets but designed for permanent protection in areas of concentrated water flow.

- Ditch bottoms, channel bottoms, swales & slopes
- Steep, reinforced slope veneers
- Landfill down chutes & let down structures
- Pond, small lake, and stream bank shoreline stabilization
- Urban stormwater drainage channels & waterways
- Concentrated flow areas as a component with sediment logs
- Typical rip rap or hard armor applications

Hydraulic Mulch

(Bindex, Excel® Fibermulch II)



Hydraulic mulch applied in a slurry “binds” to almost any soil surface and dries to form a bonded fiber matrix that can be hydrated repeatedly helping reduce surface erosion and promoting vegetation establishment.

- Utility Transmission Right-of-Way
- Golf Course Construction
- Residential Development
- Slope Stabilization
- Commercial Development
- Landfill Development
- Highway Construction

Straw Wattles

(AEC Premier Straw® Wattles)



Weed and seed free agricultural straw is encased in a tubular durable netting. Available in a variety of diameters and lengths to meet the job specific requirements.

- On slopes to break up slope length and overland flow
- Across channel bottoms to pool water and reduce flow velocities

Silt Fence

(SF70, SF100)



Geotextile fabric with posts and/or reinforcement is seen at nearly every commercial construction site. Available in a variety of fabric weights and roll lengths. Hardwood posts, steel posts and welded wire reinforcement are also available.

- Site perimeter control

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