

TRENCH DAMS & ANTI-SEEP COLLARS

Bedding and backfill around a conduit or pipe is a typically permeable material, which can create a preferential pathway for water to flow along the outside of this conduit or pipe (i.e. "piping"). This can erode the bedding material and cause pipe failure, and even sinkholes and surface failures. Trench Dams or Anti-Seep Collars are typically designed for placement around the pipe or conduit to prevent erosive flow, but can often be ineffective without proper compaction, or if the dam or collar cracks and becomes breached. AquaBlok is a Composite Bentonite Aggregate that supports the exterior of a pipe, serving as a bedding aggregate. Once AquaBlok is hydrated, it swells and seals, but never fully hardens like concrete. Instead, it remains flexible, conforming tightly to complex shapes to effectively stop piping, even under seismic conditions.



BENEFITS:

AquaBlok in Geotechnical Applications

- Composed of high-quality Wyoming sodium bentonite coated over an aggregate core.
- Forms a reliable, extremely low permeability seal (10-8 to 10-9 cm/sec).
- Highly durable, withstands freeze-thaw cycles, will rehydrate.
- Provides the structural integrity of a crushed stone aggregate.
- Easy handling & targeted delivery; no mixing required and minimized product loss.
- Can be installed in wet and dry environments, often eliminating the need for dewatering.
- No need for compaction, inter-lift filling or tilling/mixing with parent soil.
- Reduces labor and installation costs while enhancing safe trench construction.

For technical support or questions regarding geotechnical engineering applications, please contact
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Cascade
GEOSYNTHETICS

LOCATIONS & CONTACT INFO

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**