

**GEOTECHNICAL SEALING SOLUTIONS > REPAIRS**

# INFRASTRUCTURE REPAIR APPLICATIONS

Many different factors can contribute to the damage and potential failure of civil infrastructure, and what can appear to be a simple repair can often become a complex rehabilitation project. When a washout, sinkhole, animal burrow, or void from a toppled tree is identified, time is of the essence to address the damage with a resilient solution. Temporary solutions that simply mask the problem often lead to more significant issues as time goes on. AquaBlok's Composite Bentonite Aggregate system combines the dense, structural integrity of stone

with the expansive swell of the bentonite coating to provide a form-filling mass of impervious sealing material. AquaBlok is quick and easy to install, and rapidly self-compacts for a true repair solution. Since it remains plastic and consistently rehydrates, AquaBlok can be a reliable long-term remedy to seal around concrete structures and manholes to reduce inflow/infiltration, plug sinkholes, seal over minor rips and tears of geomembrane liners, backfill repaired underground utilities, and repair dams/levees.

**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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**Bowman**  
Construction  
Supply Inc.



**Quick**  
Supply Co.



**Cascade**  
GEOSYNTHETICS

## LOCATIONS & CONTACT INFO

### ASP ENTERPRISES

aspent.com  
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### BOWMAN CONSTRUCTION SUPPLY

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**Loveland, CO** 970.535.0863

**Des Moines, IA**  
515.289.1271

**Portland, OR**  
971.339.1020

## 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**