

# 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 **Andy Durham, P.E.** - Geotechnical Sales Manager  
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