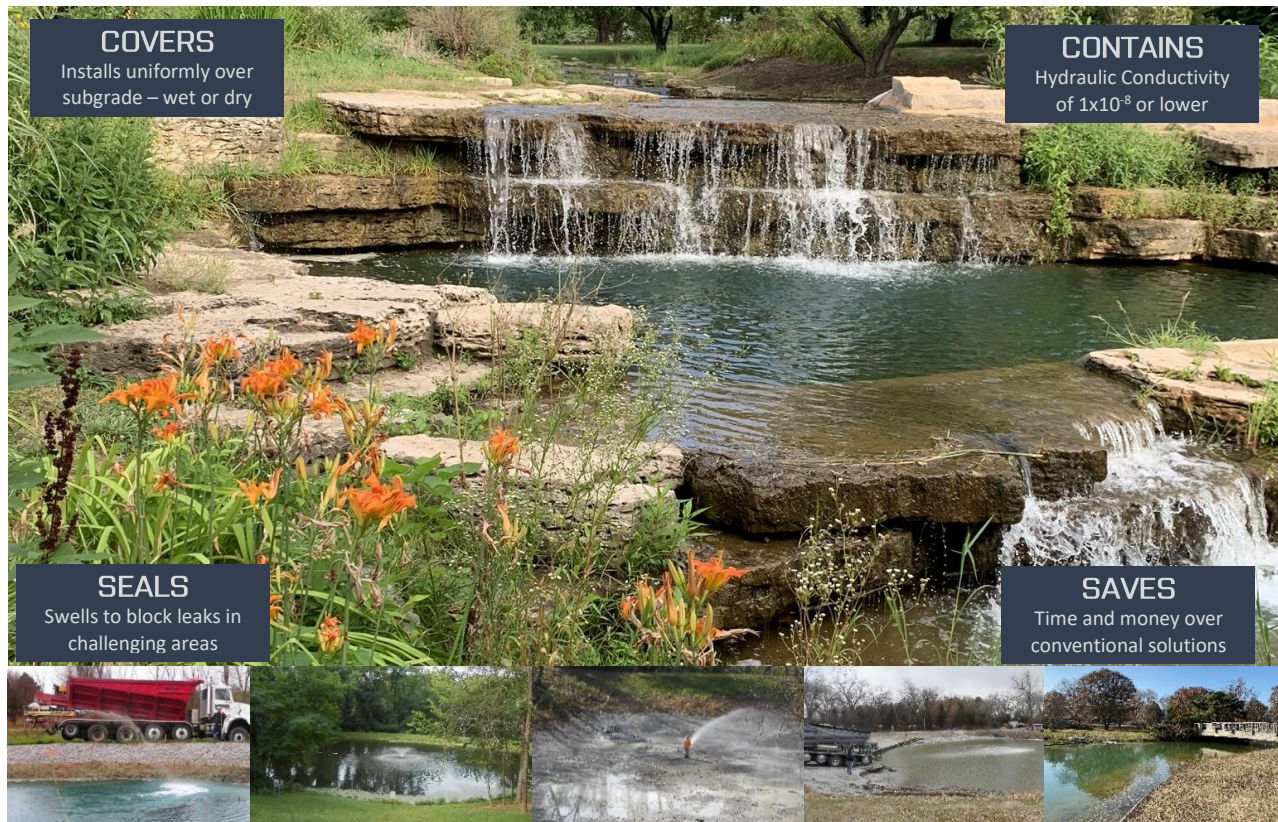


POND LINING, SEALING, CAPPING / CLOSURE

Ponds, basins, and reservoirs, are often constructed in permeable soils that are not ideal for water containment. Even when properly constructed using clayey soils, environmental factors (e.g. repeated freeze/thaw cycles, prolonged desiccation, underlying seams of sand or gravel, etc.) can compromise an earthen basin, causing water losses over time. Structural failures, construction oversights, wildlife damage, and other issues can also increase the probability of leaks and excessive water loss. Traditional liner solutions can be time-consuming, labor-intensive, and cost prohibitive. And once a pond is determined to be leaking, these traditional options are

significantly more difficult to install, especially in standing water. AquaBlok is a unique and innovative alternative that can be ideal for lining or sealing ponds and basins when conventional techniques aren't feasible. AquaBlok can be easily and rapidly installed using simple means to broadcast the bentonite – coated aggregate over the basin subgrade, even in standing water. AquaBlok will begin to swell and seal and can provide hydraulic conductivity as low as 1×10^{-8} cm/sec without mixing or compaction. And consistent swell maintained through continuous hydration cycles yields incredible long-term performance.



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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