

POND SEALING > IRRIGATION CHANNEL/WATERWAY LINING

FRANKLIN PARK PONDS AND CASCADES LINING

COLUMBUS, OH (COMPLETED JULY 2019)



The Franklin Park Conservatory and Botanical Gardens has long been an iconic landmark in Columbus, OH. In 1991, the popular pond and waterfall cascades were constructed to host an international flower festival. Over time, water began to seep through sandy soils of the pond and cascades, leaving them virtually dry. A pump system upgrade in 2016 revealed the extent of the water loss, and the park was compelled to take action to save the ponds. Restoring the ponds to their original beauty

was the challenge at hand in 2019. A compacted clay liner was determined to be too expensive and difficult to place, and the complexity of the landscape ruled out a synthetic geomembrane installation. AquaBlok was the ideal solution because of its ease of installation and performance as an impervious barrier without mixing or compaction. Within a week, the ponds and cascades were sealed, and the proud aquatic landmark restored.

GEOTECHNICAL sealing solutions

COMPOSITE BENTONITE AGGREGATE composed of a specific gradation of stone coated with sodium bentonite and a proprietary binder.



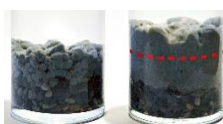
HOW AQUABLOK WORKS AquaBlok Composite particles expand when hydrated, transforming the material into the cohesive seal that self-compacts and conforms to uneven surfaces. The result is a natural and sustainable hydraulic barrier.



AquaBlok Dry



AquaBlok Hydrated



AquaBlok Hydrated [24 hr]

SEEPAGE
CONTROL

POND
SEALING

REPAIRS

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

Andy Durham, P.E.

Geotechnical Sales Manager

678.206.9483 | adurham@aquablok.com



175 Woodland Ave.
Swanton, OH 43558
419.825.1325
AquaBlok.com