

POND LINING > POND LINING, SEALING, CAPPING/CLOSURE

MID-WOOD DETENTION POND SEALING

PORTAGE, OH (COMPLETED DECEMBER 2010)



Issue



Solution



Result

Engineers originally designed the stormwater detention basin on the new Mid-Wood, Inc. Services Center in Cygnet, OH as a wet pond capable of holding runoff year-round. However, once constructed, it was evident that soils were more permeable than originally anticipated, and the pond began to dry as the cold winter approached. As weather worsened, contractors were challenged to find a suitable source of clay and effectively place it before the spring rains. Time was of the essence, so

recognizing that a thin layer of AquaBlok distributed evenly over the pond surface could be installed quickly made it an ideal solution. Mid-Wood's contractor set up a slinger conveyor machine and accurately placed over 125 tons of AquaBlok in less than a week, even with an ongoing ice and snow accumulation on the site. Once hydrated, the AquaBlok swelled and sealed, containing the spring rainfall as designed and providing the site with a functioning stormwater basin.

GEOTECHNICAL sealing solutions

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



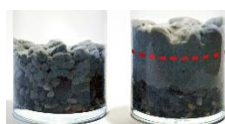
HOW AQUABLOK WORKS AquaBlok Composite particles expand when hydrated, transforming the material into the cohesive seal that self-compacts and conforms to uneven surfaces. The result is a natural and sustainable hydraulic barrier



AquaBlok Dry



AquaBlok Hydrated



AquaBlok Hydrated [24 hr]

SEEPAGE
CONTROL

POND
SEALING

REPAIRS

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

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