

AquaGATE⁺ PAC

Background

AquaGate+PAC (Powdered Activated Carbon) is a patented, composite-aggregate technology resembling small stones typically comprised of a dense aggregate core, clay or clay-sized materials, polymers, and fine-grained activated carbon additives.

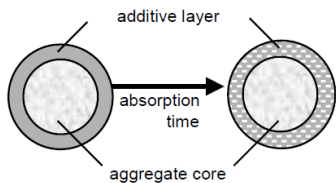


Figure 1. Configuration of PAC-coated particle.

AquaGate+PAC serves as a delivery mechanism to reliably place reactive capping materials into aquatic environments.



Product Specifications

Aggregate:	Nominal AASHTO #8 (1/4-3/8") or custom-sized to meet project-specific need * Limestone or non-calcareous substitute, as deemed project-appropriate
Clay:	Bentonite (or montmorillonite derivative) * Typically 5 – 10% by weight
Activated Carbon:	Powdered <ul style="list-style-type: none"> ○ 99% (minimum) through 100 mesh sieve ○ 95% (minimum) through 200 mesh sieve ○ 90% (minimum) through 325 mesh sieve * Typically 2 – 5% by weight
Binder:	Cellulosic polymer
Permeability:	1×10^{-1} to 1×10^{-2} cm/sec
Dry Bulk Density:	70 – 80 lbs/ft ³
Moisture:	10 – 12% (maximum)



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