

AquaGATE⁺ ORGANOCLAY

Background

AquaGate+Organoclay is a patented, composite-aggregate technology resembling small stones that is typically comprised of a dense aggregate core. In this application of the technology, a powdered organoclay coating is utilized (Figure 1) with varying percentages of additive layer by percent of total weight.

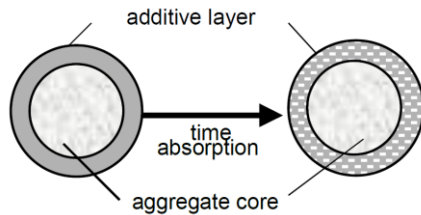


Figure 1. Configuration of ORGANOCLAY-coated particle.



AquaGate+Organoclay 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 |
| Organoclay: | Powdered – Approximate 200 Mesh <ul style="list-style-type: none"> o Modified Bentonite Clay; Modified Natural Mineral (Montmorillonite) o Light Brown Powder; Odorless Manufacturers – Product Designation <ul style="list-style-type: none"> o CETCO – Organoclay P® o Bentonite Performance Minerals – Organotrol™ 2200 <i>* Formulations Range from 15 – 30% by weight</i> |
| Oil Adsorption Capacity: | From 50-100% of the Organoclay quantity by weight |
| Binder: | Cellulosic polymer |
| Permeability: | 1×10^{-3} to 1×10^1 cm/sec (in clean water) |
| Dry Bulk Density: | 75 – 85 lbs/ft ³ |
| Moisture: | 10 – 20% (maximum) |



For more information, contact AquaBlok, Ltd. at:

Phone: (419) 825-1325
 Email: services@aquablok.com
 Web: www.aquablok.com

© 2023 AquaBlok, Ltd.
 Last Revised: March 2023