Background

AquaGate+RemBind is a patented, composite-aggregate technology resembling small stones typically comprised of a dense aggregate core, clay or clay-sized materials, polymers, and a fine-grained additive layer – RemBind, by Ziltek.

AquaGate+RemBind serves as a delivery mechanism to reliably and uniformly place reactive materials into aquatic and other challenging environments.

Product Specifications

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<th>Component</th>
<th>Specification</th>
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| Aggregate | Nominal AASHTO #8 (1/4-3/8”) or custom-sized to meet project-specific needs  
* Limestone or non-calcareous substitute, as deemed project-appropriate |
| Clay      | Attapulgite  
* Typically 15% by weight |
| RemBind   | RemBind™ Plus Filter Media  
* Target 10% by weight - Range of 7.5 – 12.5% by weight |
| Binder    | Cellulosic polymer |
| Permeability | 1 x 10⁻³ to 1 x 10⁻⁶ cm/sec  
(Variations will exist and permeability can be influenced by particle size distribution, placement, and cover materials – surcharge load) |
| Dry Bulk Density | 70 – 80 lbs/ft³ |
| Moisture | 10 – 12% (maximum) |

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