

## 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.

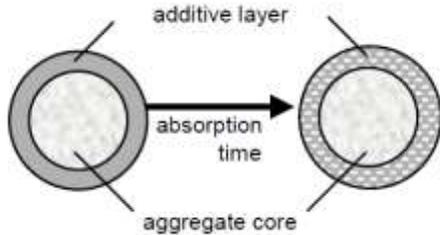


Figure 1. Configuration of Remind-coated particle.



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

## Product Specifications

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:	$1 \times 10^{-3}$ to $1 \times 10^{-6}$ 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/ft <sup>3</sup>
Moisture:	10 – 12% (maximum)

RemBind is a Trademark of Ziltek Pty Ltd.



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