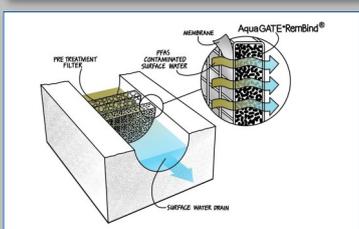
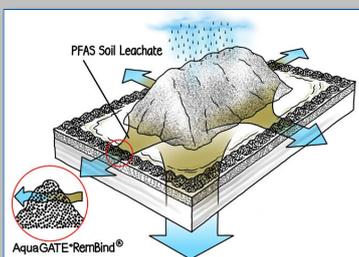




RemBind®



Soil remediation



Surface Water & Leachate Control

## Remediation of soil and groundwater

*RemBind® contains a patented blend of naturally occurring ingredients including aluminium hydroxide, carbon and clays. The product binds permanently to contaminants preventing them from leaching and causing environmental harm. Uses include remediation of a wide variety of organic contaminants including PFAS, TPH, PAH, pesticides, herbicides and mercury.*

## Applications

### Soil Remediation

The RemBind® 100 series of powdered products are specifically designed to treat organic contaminants in soil. The product is added to the soil at 1% to 5% using conventional equipment and binding is complete within 24 hours.

### Waste Water Remediation

The RemBind® 200 series of powdered products are designed to treat waste water in batch treatment systems where high contaminant removal rates are required. The product is generally added at 0.2% to 1%, stirred for 1 hour, and then separated.

### Sediment, Groundwater and Surface Water Remediation

AquaGate+RemBind® is a composite particle consisting of an aggregate core coated with RemBind® powders. This unique design facilitates the accurate placement of RemBind® for the passive remediation of PFAS in water using permeable reactive barriers (PRBs). The PRBs can be installed *in-situ* for groundwater remediation or above ground in surface water drains.

**Cost Effective ◆ Rapid & Easy to Apply ◆ Proven Long Term Stability**

# PFAS Remediation

## Soil

RemBind® is a powdered adsorbent that binds strongly to per- and polyfluoroalkyl substances (PFAS) in soil, preventing them from leaching into groundwater where they can cause serious harm to the environment and human health. RemBind® contains a patented blend of ingredients including aluminium hydroxide, carbon and clays. This mixture mimics and enhances the PFAS-binding capacity of natural soils.

RemBind® has been used to treat PFAS-impacted soil at full commercial scale in USA, Sweden and Australia with local regulatory approvals. In 2015, 1,000 MT of soil was treated in Australia with RemBind® and disposed safely to landfill with full regulatory sign off and no further management requirements.

RemBind® is added to the soil at an addition rate of 1% to 5% and mixed while adding water to achieve a final moisture content of around 20% to 30%. The treated soil is fixed for 24 hours and the remediation process is complete.

For most projects, conventional earth moving equipment such as a loader/excavator and a water truck can be used. For larger projects, specialized soil blending equipment can process up to 500 MT per day per machine.



**Proven Long Term Stability**—The long term stability of the RemBind reaction has been successfully tested using the US EPA Method 1320 which simulates 1,000 years of stability in an acid rain environment in an improperly lined landfill.

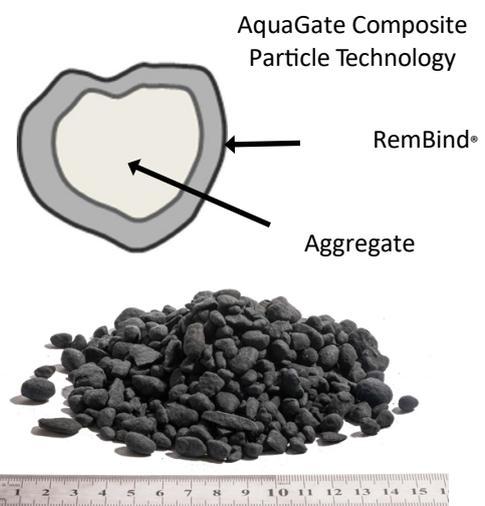
## Surface and Ground Water

AquaGate+RemBind is a composite particle consisting of an aggregate core coated with the reactive commercial adsorbent RemBind. This unique product facilitates the uniform delivery of powdered RemBind, for the *in-situ* passive removal of PFAS in groundwater or surface drainage systems.

The AquaGate+RemBind product design combines two proven world-class technologies:

- ◆ RemBind is a powdered adsorbent that permanently binds up long- and short-chain PFASs in soil and water.
- ◆ AquaBlok powder coated aggregates treat organic contaminants using permeable reactive barriers (PRBs).

## AquaGATE+RemBind®



**Sediments ◆ Surface Water ◆ Soil Stockpile Leachate ◆ Emergency Spill Response**



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