

PFAS Soil Remediation

Product Description

RemBind is a powdered sorbent 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.

Full Scale Projects

RemBind has been used to treat PFAS-impacted soil at full commercial scale in North America, Europe, Australia and New Zealand with local regulatory approvals.

Proven Long Term Stability

The long term stability of the RemBind binding reaction has been successfully tested using US EPA LEAF Methods which simulate 100+ years of stability under a wide range of environmental conditions.

The Treatment Process

RemBind is added to the soil at an addition rate of 0.5 to 3% and water is added to achieve a final moisture content of around 10 to 20%. The remediation process is complete within 24 hours and the soil can be immediately reused onsite.

Mixing Equipment

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 around 1,000 MT per day, per machine.



RemBind being applied to treat PFAS soil in Sweden



RemBind being applied to treat PFAS soil in Australia

Benefits

- Cost-effective compared to soil washing and thermal treatment
- Binds short- and long-chain PFAS substances
- Rapid remediation - less than 24 hours
- Easy to apply with conventional equipment
- Proven long term stability - US EPA 1320
- Independently validated by industry and government