



**Accelerated  
rehydration.**  
Mitigation system.

## What is Accelerated rehydration and how does it work?

Accelerated rehydration has been developed as a system that introduces rehydration fluid into the ground at pre-determined depths to promote accelerated recovery of desiccated clay soil. As the soil rehydrates, the subsidence-affected structure benefits from controlled lifting as the treated soil swells.

### The benefits.

- **Certainty** on claim duration through predictive modelling
- **Confidence** in continued ground recovery assessed monthly with precise level monitoring
- **Reassurance** for all parties with continual data collection and analysis

### When and why should I consider an Accelerated Rehydration scheme?

Any building suffering from clay shrinkage subsidence may benefit from Accelerated Rehydration. Our research shows that it offers the greatest benefit when used at properties suffering from severe or very severe damage, or where desiccation is at depth and rainfall alone will be insufficient to rehydrate in an acceptable timeframe. Accelerated Rehydration provides certainty on claim duration by offering accelerated rehydration

throughout the year removing the dependency on rain alone to realise the full ground recovery. A Accelerated Rehydration installation can be used to accelerate the ground rehydration following the removal of implicated vegetation or in conjunction with a root barrier as a dual scheme.

### Typical response of a building to Accelerated Rehydration.

The below level monitoring from a live Accelerated Rehydration job demonstrates the seasonal lifting and dropping behaviour of the structure. Top chart shows the movement prior to the procedure, with the bottom chart highlighting the effect of Accelerated Rehydration providing a gradual controlled lifting to the worst affected part of the structure.

