

# ROOT BARRIER SYSTEM.

## WHAT IS OPTERA'S GREEN ROOT BARRIER SYSTEM?

Optera has been designing and installing specialist root barriers for over 10 years. Our copper-impregnated bio-barrier offers a robust alternative to tree removal in circumstances where third-party involvement prevents or protracts timely mitigation.

The engineer-designed solution is passed to our in-house site teams to install the copper-impregnated geotextile membrane, usually completed within a few days. Where tight access poses a challenge, we have developed our Compact Barrier to enable installation in almost any situation.

Embracing the latest in plant technology, we have refined the installation process to reduce the carbon footprint of the works, whilst retaining the trees and the environmental and social benefits they provide.

## HOW CAN IT HELP YOU?

- Enables "early intervention" on traditionally protracted tree-related subsidence claims.
- Address the cause of damage within a few weeks, allowing the claim to proceed to conclusion.
- Avoid the cost and disruption of alternative stabilisation schemes.
- Provide the most environmentally friendly solution.

## THE BENEFITS.

- Long-term guaranteed solution for tree-related subsidence claims.
- Dramatically reduced claim life cycles compared to the traditional process.
- Best option for sites with tight access.
- Lower costs than alternative schemes.
- Less Customer disruption and inconvenience.
- The greenest solution, reducing overall carbon emissions.

### KEY FACTS.

**AVERAGE COST 46% LESS THAN TRADITIONAL STABILISATION SCHEMES.**

(SOURCE: INDUSTRY FIGURES 2022 COMPLETED PROJECTS)

**76% LESS CO<sub>2</sub> EMISSIONS THAN ALTERNATIVE STABILISATION SOLUTIONS.**

(SOURCE: INDEPENDENT CARBON ASSESSMENT REPORT, TUNLEY ENGINEERING)

**AVERAGE 84% LESS DURATION THAN TRADITIONAL 3RD PARTY TREE MITIGATION PROCESS.**

(SOURCE: 2022 COMPLETED PROJECTS)

**AVERAGE 7.8 DAYS ON SITE, ZERO ALTERNATIVE ACCOMMODATION REQUIREMENT.**

(SOURCE: 2022 COMPLETED PROJECTS)

**FOR MORE INFORMATION ON OUR GREEN ROOT BARRIER SYSTEM.**

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