

Sedgwick Castle House, Broadwater Lane, Copsale, West Sussex, RH13 6QJ
Garage access drive and hardstanding area specification.

Geosynthetics Cellweb Tree Root Protection (or similar) no dig cellular confinement system.

System details reproduced from website;

How Cellweb® Tree Root Protection works

Using a unique combination of cell size, depth, and perforations, this no-dig cellular confinement system distributes weight evenly across the surface of the ground to prevent soil compaction, and protect tree roots from damage. Its perforated cell walls and stone infill allow water and air to reach the roots, protecting mature trees and promoting the healthy growth of saplings.

Cellweb® TRP can also reduce sub-base depths by up to 50% over conventional methods, helping to prevent surface rutting and reduce infill material needs, while improving both performance and appearance.

Fully compliant with BS5837:2012, APN 12, and Tree Preservation Order (TPO) guidelines, Cellweb® is the UK's go-to solution for building around trees without harming them.

Installing Cellweb® Tree Root Protection

The way the panels are connected during installation plays a crucial role in ensuring the long-term reliability and effectiveness of Cellweb® Tree Root Protection.

Traditional fixing methods, such as staples or plastic ties, only join panels at a few small points. Under load, particularly during stone placement or trafficking, these fixings can loosen, break, or allow panels to shift out of alignment. This can compromise the integrity of the system and make installation more difficult on-site.

To address this, we designed a new connection method – Cell-Locks.

Cell-Locks are purpose-made connectors designed to link adjacent panels securely at multiple points. Unlike staples or ties, they create a stronger and more consistent join, keeping the system properly aligned both during installation and once the aggregate is in place.

Cell-Locks provide clear on-site advantages:

- Reliable linking we can comfortably design around
- More durable on-site, avoiding the issues of slipping or breaking
- Quick and easy for contractors to fit

By moving to Cell-Locks as standard, we're making Cellweb® installations stronger, more dependable, and simpler to install.

Applications

- Car parks and overflow parking
- Permanent tree root protection
- Temporary working zones

- Roadways (paved and unpaved)
- Site access routes
- Tree Preservation Orders (TPOs)

Typical images

