



# ROOTBRIDGE

## Green Grid Systems

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Providing a comprehensive solution for  
the ongoing preservation of all trees



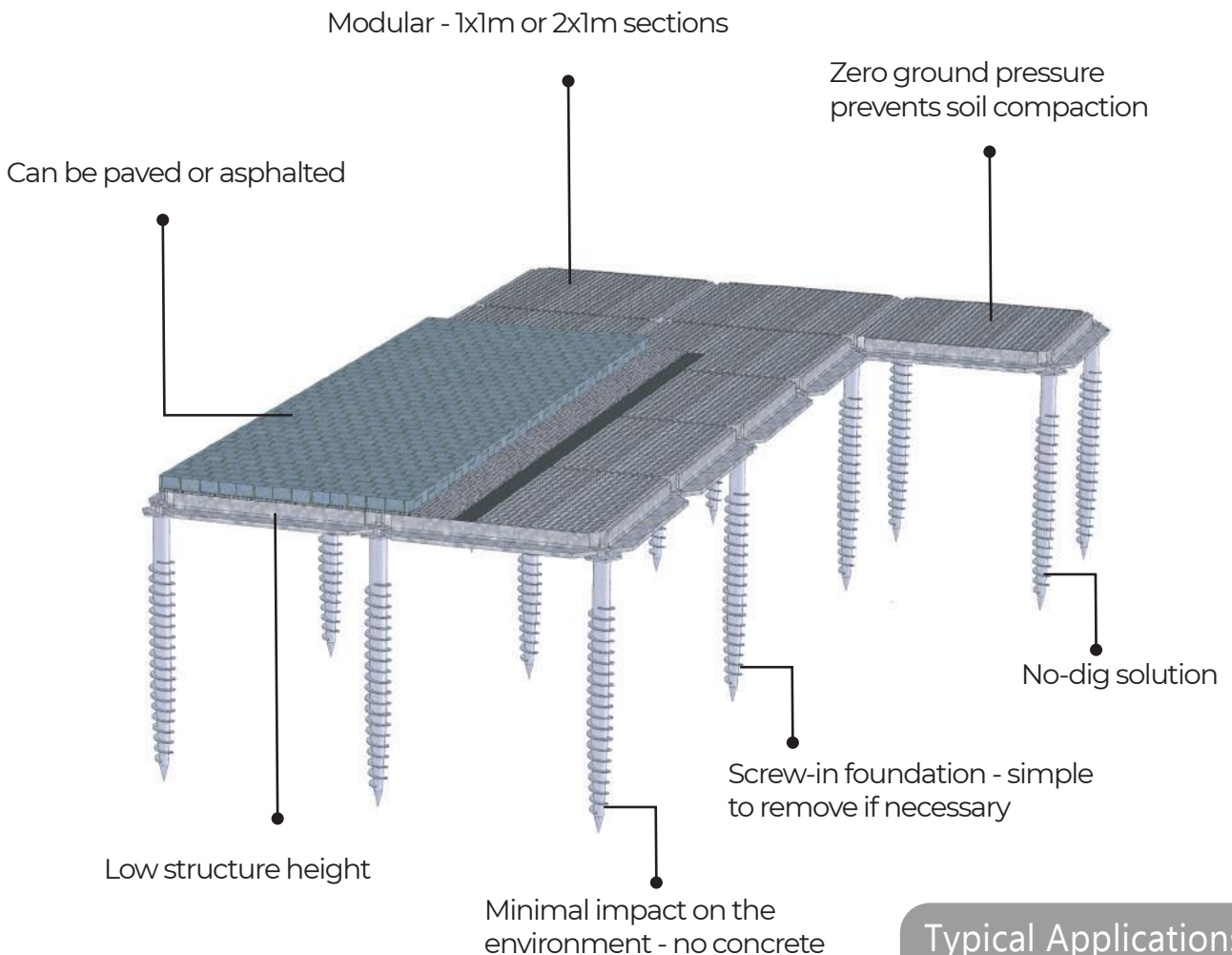
**GREEN GRID SYSTEMS**  
INNOVATIVE TREE ROOT PROTECTION

# ROOTBRIDGE SS7.5-57

## Innovative tree root protection

### What is RootBridge?

The RootBridge System is a steel frame construction, that essentially bridges the RPA of the tree. The main platform area of the system sits on a foundation of groundscrews, ensuring a no-dig, no-concrete and no soil compaction solution.



### Typical Applications

- Carparking areas
- Walkways
- Driveways
- Access roads



# Variants/Capability



## Pedestrian Duty - SS7.5

Designed for use in pedestrianised areas and to create pedestrian access across otherwise under utilised space in the RPA, this variant is the thinnest option, only adding 60mm to the existing ground level.



## Light Duty - SS15

Designed for light vehicular traffic - vehicles up to 4 ton, the light duty system is used mainly for parking spaces and driveways.



## Heavy Duty - SS50

The heavy duty version has been designed to take a point load of 50kN (approx 5 ton). This makes it best suited to access roads.



## Extra Heavy Duty - SS57

The heaviest duty variant available - able to take axle loading up to 11 ton. This capability makes it suitable for articulated lorries up to 30 ton

## Grid Finishes

The system is finished with press-lock grating panels. The 30x30mm mesh grids can be covered with a membrane, and an extra surface finish such as asphalt can be laid on top. Alternatively, heel-safe grating can be supplied with anti-slip serrations as the final finish.



Standard 30x30mm mesh



Heel-safe 11x33mm Mesh

## Why are roots important?

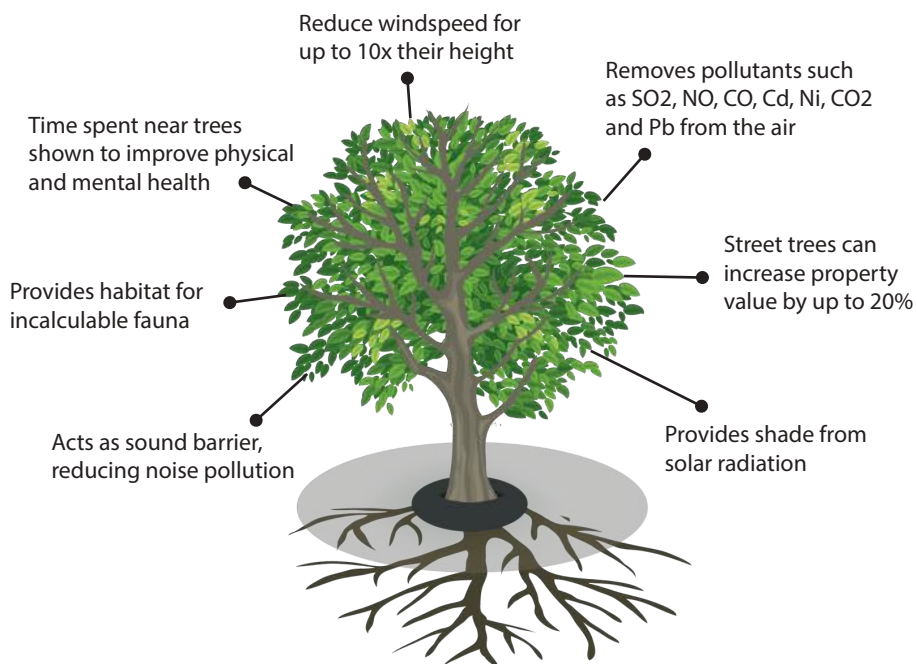
Trees depend on their roots to provide support and stability, as well as to draw in water, minerals and nutrients from the soil to support growth. It is the fine root hairs on the tips of the roots that are responsible for the latter. These tips are very sensitive, and rely on consistent soil conditions to perform their duties.

One of the primary dilemmas affecting the rooting environment of trees is soil compaction in the RPA (root protection area). Soil typically has 50% pore space, and reducing this when soil is compacted can have a serious impact on the water and air reaching the roots. When soil compaction occurs, the trees growth slows, and may reach a point where the tree itself dies.

## What does RootBridge do?

The RootBridge system effectively bridges the RPA, transferring the load to the ground screws. This means zero pressure is put onto the ground omitting the risk of soil compaction in the RPA.

## Why are trees important?



## Green Grid - The Brand

Founded on a knowledge and understanding of trees and their importance, we seek to offer a range of solutions for tree sustainability.

Our innovative product range is headed up with our flagship RootBridge product, and includes geosynthetic cellular confinement and ground reinforcing systems.



Light duty install in a carpark, heels-safe mesh finish.

'A lasting solution for existing tree root protection with simple installation and minimum impact on the tree and the rooting environment.'



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