

## RootBridge® System

### Detailed description

RootBridge is a modular steel lattice structure designed to protect tree roots where new developments such as walkways, roadways and car parking areas are planned close to existing trees. It protects the existing root range from harmful pressures which can lead to soil compaction, loss of aeration and drainage problems which can potentially lead to the death of the tree.

### Features

- Zero pressure on the ground
- Prevents soil compaction around the tree
- Thin – 90mm max height
- No-dig solution
- Minimal disruption to trees
- A variety of options for different applications

### Options

#### Design

- Range of grid mesh sizes – from heel-safe to wider spacing
- Surface finish solutions can be offered – porous paving, resin-bound
- Systems available for heavy duty, medium duty and pedestrian duty situations.
- Ground screws can be left proud to accommodate planting beneath the system
- Bespoke design solutions offered

#### Loading

- Systems available for up to 50kN point loads and 378kN UDL
- Systems available for up to 15kN point loads and 129kN UDL
- Systems available for up to 4.5kN point loads and 7.5kN UDL
- Custom loading requirements can be catered for

#### Materials and finish

- Grids can be supplied in carbon steel, stainless steel or aluminium to suit the application
- Grids can be supplied with fine serrations for an anti-slip finish

#### Compliance

- BS EN 1990:2002 - Eurocode 0, Basis of Structural Design
- BS EN 1991 - Eurocode 1, Actions on Structures
- BS EN 1993 - Eurocode 3, Design of Steel Structures
- BS EN 5837:2012, Protection of Tree Roots

## Product Specification

Manufacturer

-Name: Green Grid Systems

-Web: [www.greengridsystems.com](http://www.greengridsystems.com)

-Address: The Nursery, Littleton Lane, Nr Sparsholt, Winchester, Hampshire, SO21 2LS

Product reference RootBridge®

Loading/Type  
Heavy Duty  
Light Duty  
Pedestrian Duty

Size  
1000mm beams  
2000mm beams  
960x970mm grids  
Foundation screws up to 2m long

Material  
Carbon Steel  
Stainless Steel  
Aluminium

Finish  
Galvanised Steel  
Pickled Stainless Steel  
Washed Aluminium

