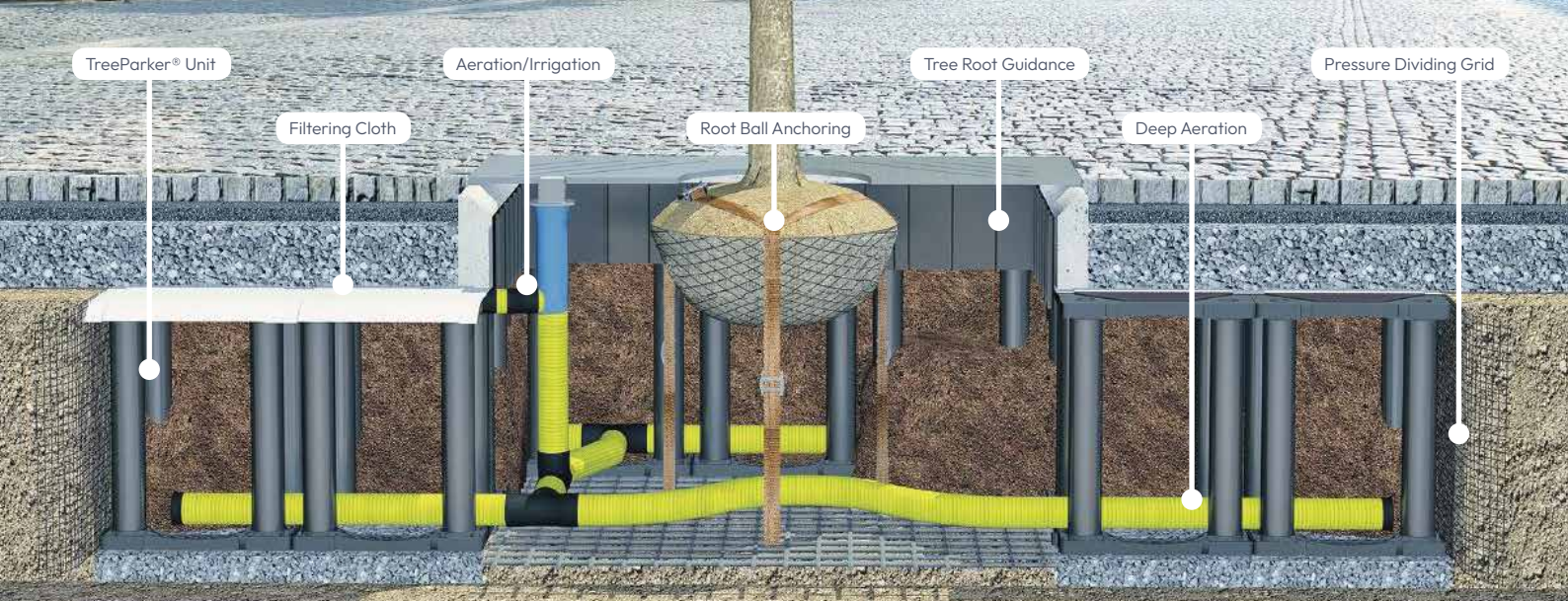


NEW PRODUCT LAUNCH



# Introducing **TreeParker**<sup>®</sup> – Urban Tree Planting Cell System

**green-tech**  
SPECIFIER



# TreeParker® - An urban tree planting cell system with superior functionality

TreeParker® is a versatile urban tree planting cell system manufactured by Treebuilders and distributed by Green-tech in the UK. TreeParker® was developed as a result of experience gained through urban tree planting trials, projects and in partnership with tree planting specialists, landscape architects and civil engineers.

## Able to withstand loads of up to 550 kPa

Suitable for heavy traffic.

## Utility friendly

The system can be adjusted on-site to accommodate the presence of new and existing utilities.

## Accommodates variable heights up to 150cm

The system's height can be adjusted to your specific project requirements and the maximum height required.

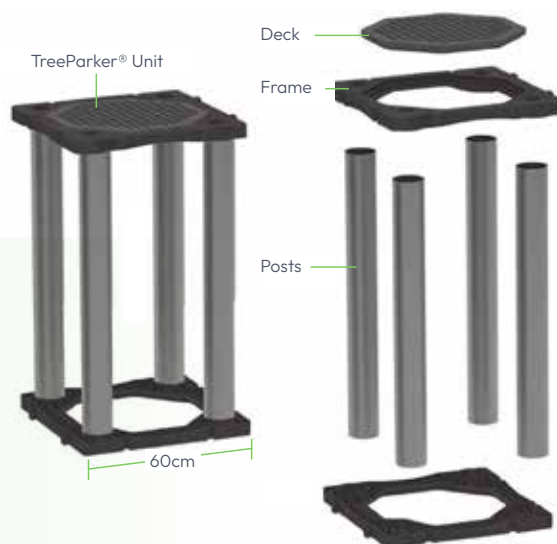
## Combining root and water management

The system absorbs rainwater which is then filtered in a natural way.

## Suitable for growing large trees

## Simplicity is its strength

Simplicity characterises the system. Through a simple and smart design the TreeParker® system can be installed in any tree planting space. It is easy to customise your tree pit design to your needs. Each independent unit has sufficient load-bearing capacity, which means that the units do not need to be linked. Just shift the units into position with a maximum spacing of 75mm. Variable heights are available. We recommend that you use the maximum depth for reduced space requirements (sqm) and lower costs.



**Treeparker®**  
STRUCTURAL SOIL CELL SYSTEM

### A smart combination of Green, Grey and Blue

The challenges of urban tree planting are well documented, from traffic loading to pavement lifting and integrating essential utilities.



Root-friendly, Maximum soil volume, Water and air capacity, High Soil Quality



Axle load of up to 15 tonnes, Utility-friendly, Pavement-friendly



Stormwater management, Biological filtering, Maintenance-free

## TreeParker® offers the right solution for **any challenge** within the city



### Optimum rooting space

TreeParker® provides optimum rooting space below pavements subjected to heavy traffic loads. The system maximises the space available for the growing media and is in contact with surrounding soil to ensure a natural growth environment.



### Tested for the heaviest traffic loads

TreeParker® consists of modular units that are strong enough to support large vehicles. The load is transferred from the pavement to underlying foundations via the system, avoiding compaction and ensuring optimum root growth.



### Combined rainwater intake and bioretention system

Many systems discharge rainwater, while the trees in the city dry out. It is more logical to first enable the tree to benefit from the rainwater and only then discharge it. This requires an integrated approach and an infiltration system.



### Integrating new and existing utilities

TreeParker® is designed for the urban environment with its many underground utilities.

# Installation of the TreeParker® system

Despite the many design and layout options, the system is easy to design and install. It works just like a LEGO system. Immediately after the system has been installed, the pavement can be constructed.



1

A key consideration is the excavation and the underground preparation; in many cases this is the most time-consuming task.



2

The frames are installed in accordance with the layout drawing. The units can be installed with a spacing of up to 75mm; this means that curved installations and deviating dimensions are also possible. Dimensions: max. 675 x 675mm.



3

After the frames are placed in accordance with the drawing, the posts and the closing frames are installed. The posts are available in any height. The height can be adjusted as work is in progress to overcome any underground obstacles.



4

After all units have been installed and the cables and pipelines have been integrated, the system is enclosed by a vertical wall. This wall can be water permeable or root-resistant.



5

The system is not completely filled; a variable air layer is required to prevent pavement lifting caused by rootgrowth. The air layer is provided with an aeration/irrigation system, which is needed for the supply of oxygen and water.



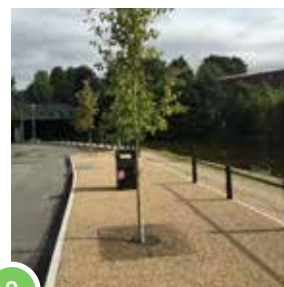
6

The system is now ready to be filled. Maximum compaction around the system is important. The soil within the system is only slightly compacted by foot to ensure that the maximum volume of soil is available to the tree.



7

When everything is installed, the system can be sealed. The system is also suitable for use underneath water-porous pavement; the rainwater infiltrates down to the soil through the porous covers.



8

Before the pavement is finished it is important to construct the tree pit curbing. Any type of shape or finish to engineers specification. However, we recommend that you make the open tree pit as large as possible.

Green-tech Specifier is the official UK distributor of the **TreeParker® system**. Contact our team today for project assistance.

Tel: 01423 369 728 | Email: [info@gtspecifier.co.uk](mailto:info@gtspecifier.co.uk)

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