



# RootCell

## Soil Support System

Guide includes:

- Quick Start Guide
- Product Selector
- Installation Detail
- Safety Data / COSHH Sheet
- O+M Manual



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## Installation Detail

### Refer to the architects / engineer's drawings and specifications when installing tree pits.

Excavate the tree pit to correct depth, level the base of the tree pit and install and compact a layer of clean, angular, load bearing stone, ensuring positive drainage to eliminate detrimental waterlogging, all according to the drawings and specifications.

#### 1. RootCells – install using the following procedure

- a. Place the first RootCell, tabs downwards and with the RootCell label plaque facing down on the bottom right hand corner, in location.
- b. Subsequent root cells can be interlocked with the first one, making sure that the RootCell name plaque is always aligned in the same corner downwards.\*
- c. Build up the RootCell structure in layers. Up to three levels can be completed before loading with dry fibrous topsoil.  
REFER TO POINT 'f' TO THE RIGHT
- d. If specified, further layers of RootCells can now be constructed and loaded repeating steps a-e above until the required structure depth is reached.

**2. Tree anchoring** – if specified, install the Arborguy dead-man or drive-in anchoring system before filling the tree pit with soil (refer to relevant GBU installation guides)

#### 3. Soil - load RootCell structure with soil

- a. Load RootCell structure with screened, dry, high quality sandy loam top soil to BS3882 – we recommend GBU RootSoil
- b. Settle soil thoroughly into structure
- c. Use a 30-50mm diameter probe to eradicate voids in the soil
- d. Top up soil as the level settles, and continue to ensure soil settles thoroughly into RootCells
- e. Refer to GBU soil specification, storage and handling sheet for important guidelines on storage and handling
- f. Ensure that any void between the outside layer of the RootCell structure and the edge of the tree pit is compacted sufficiently to take construction detail above, in order to eliminate any potential for differential settlement, in accordance with the drawings and specifications.

**4. Further layers** - if specified in the drawings and specifications, install further layers of RootCell and fill with soil as described in steps above, ensuring the first layer is clean and free of any material that may hinder positive connection of RootCell in any direction

**5. Root control systems** - install GBU ReRoot barrier or Root Director as per drawings and specifications (refer to relevant GBU installation guides)

## Installation Detail

**6. Load Bearing Geonet** – once structure is complete lay Geonet over the top, over-lapping joins and up the outside of the Root Director/ barrier by a minimum of 150mm Overlay the completed RootCell structure with Geonet as supplied by GreenBlue Urban, to ensure subsequent road base construction is kept separate from RootCells. Overlay the Geonet with more pea shingle and install double inlet aeration/irrigation if specified in this shingle layer.

**7. Aeration systems** – install aeration system in a layer of clean angular stone above the Geonet (refer to relevant GBU installation guides)

**8. Paving Construction** – RootCell structure is now ready for paving construction

IMPORTANT: to prevent collapse of the ReRoot Barrier / Root Director, ensure it is filled with soil at the same time as the paving construction is laid

RootCell structure is now ready for tree planting and completing your tree pit - refer to installation guides for other GreenBlue Urban products as required – these are available from [www.greenblueurban.com](http://www.greenblueurban.com), 01424 717797 and [enquiries@greenblueurban.com](mailto:enquiries@greenblueurban.com).

## COSHH / Safety Data Information

No safety data is applicable to this product

## Operations Maintenance Manual

This product does not require maintenance.