



StrataCell

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. StrataCells – it is crucial this procedure is followed in detail to maintain the structural integrity of the system and ease the process of assembly

- Start with the first StrataCell in one corner of the tree pit
- IMPORTANT: ensure coloured arrow points directly into the corner
- Connect StrataCells together joining the corresponding numbers '3' and '4' on each cell
- Clip StrataCells together ensuring a firm 'Click' is achieved

SECOND LAYER:

- When installing the second layer, the upper StrataCells need to be rotated through 1/8th turn anti-clockwise
- Clip the StrataCells together joining the corresponding numbers '1' and '2' on each cell
- Clip the upper StrataCells securely to the lower StrataCells
- INSTALL NO MORE THAN TWO LAYERS BEFORE LOADING WITH SOIL.

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

3. Irrigation and aeration systems - note: prior to filling the structure with soil, consult drawings and specifications to ascertain which layers of StrataCells irrigation and aeration systems should be installed in (refer to relevant GBU installation guides)

4. Soil – load StrataCell structure with soil

- Load StrataCell structure with screened, dry, high quality sandy loam top soil to BS3882 – we recommend GBU RootSoil
- Settle soil thoroughly into structure
- Use a 30-50mm diameter probe to eradicate voids in the soil
- Top up soil as the level settles, use of a 100mm square rammer is recommended
- Refer to GBU soil specification, storage and handling sheet for important guidelines on storage and handling
- Ensure that any void between the outside layer of the StrataCell 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.

Installation Detail

5. Further layers – if specified in the drawings and specifications, install further layers of StrataCells 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 StrataCells in any direction.

6. Irrigation and aeration systems – note: prior to filling the further layers with soil, consult drawings and specifications to ascertain which layers of StrataCells irrigation and aeration systems should be installed in (refer to relevant GBU installation guides)

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

8. Load Bearing Geonet – once structure is complete lay Geonet over the top, over-lapping joints and up the outside of the Root Director/ barrier by a minimum of 150mm.

9. Paving Construction – StrataCell 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

StrataCell 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, 01424 717797 and enquiries@greenblueurban.com

COSHH / Safety Data Information

No safety data is applicable to this product

Operations Maintenance Manual

This product does not require maintenance.