

TREEPARKER SANDWICH PANEL 52/74



Urban Tree Planting
& Tree Irrigation

An installation guide for the TreeParker load-bearing and pressure spreading system.

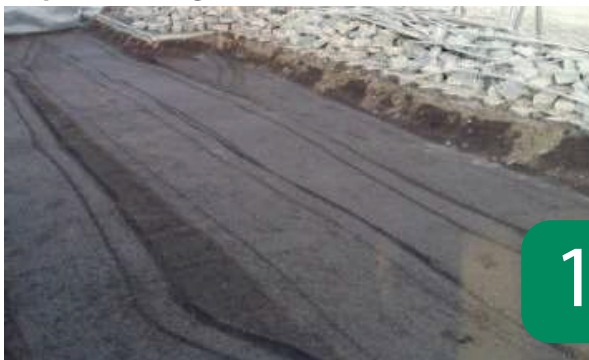
The sandwich system provides pressure spreading that spreads the load of vehicle movements around the rooting area of the tree and eliminates/reduces soil compaction within the pit.

Applications

- **Sandwich constructions around newly planted trees** - this installation guide covers this application. In this guideline, no explanation is given on how the underlying load-bearing and submergable substrate should be processed. Apply structural soil according to the suppliers guidelines.
- Vertical drainage, deep drainage or wall drainage
- Horizontal drainage for heavy weight loads, such as underground parking facilities
- Superficial drainage (e.g. under water-level paving)

Installation

Step 1 - Levelling the structural soil



The load-bearing structural soil must be levelled.

Load bearing and spreading systems can only be applied on top of structural soil.
Apply structural soil according to the supplier's guidelines.

Optional - Tree root directing panels

Adjust sequence of operations depending on the situation and project conditions.

If the distance to the tree is less than 2 meters, we recommend the use of RDP (Root Directing Panels). The tree root guidance system prevents paving from being pushed up.



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Step 2 - Lay out the combigrid

Place a layer of reinforced geotextile (combigrid) over the compacted and levelled structural soil. Leave an extra overlap to fold over the boxes. With a minimum of 20cm overlap on top of the boxes.

Mutual overlap min 50cm.



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Step 3 - Placing the Sandwich Panels

Connect the panels in a block and connect them by sliding them together from top to bottom.



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Make sure all panels face the same direction.



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Step 4 - Folding over the combigrid

After placing and connecting the panels, fold over the combigrid. Minimum 20cm combigrid should be left on top of the panels.



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Folding the combigrid is essential to absorb forces.

Step 5 - Sand-proof

Cover up the entire system with geotextile on top. Cover in such way the system is completely sealed to prevent sand from coming into the system.

Mutual overlap at least 25cm.



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Do not use stabilised sand or gravel (e.g. sand/cement mix).

