

TREEPARKER SANDWICH PANEL 52/74

Urban Tree Planting & Tree Irrigation

Load bearing and spreading system

Application: Sandwich construction around new planted tree

This manual describes the construction of the sandwich construction around trees. 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 supplier's guidelines

Other applications:

- Vertical drainage, deep drainage or wall drainage
- Horizontal drainage for heavy weight loads, such as underground parking facilities
- Superficial drainage (eg under water-level paving)

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



Step 2 - Lay out the TPGeoGrid

Place a layer of reinforced geotextile (TPGeoGrid) 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



Step 3 - Placing the SandwichPanels

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

Make sure all panels face the same direction



Step 4 - Folding over the TPGeoGrid

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

Folding the TPGeoGrid 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

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

