



gt Ribbed Root Panels

The gtRibbed Root Panels have been designed to be installed vertically underground, guiding root growth downwards. The system works by reflecting horizontal root growth downwards via its vertical ribs, away from hard landscape surfaces, utilities and services. When the roots reach the lower edge of the gtRibbed Root Panels, they exit the system accessing further growing space. Any roots that grow upwards will be deflected back into the soil via the folded edge at the top of the root panel.

Due to the nature flexibility of the system, the gt Ribbed Root Panels can be folded up to a 90 degree angle allowing for a number of configurations to be created for different tree planting scenarios. (See Below)



Circular Formation Ribbed Root Panel



Linear Ribbed Root Panel



Square Formation Ribbed Root Panel

Properties:

- 90° ribs at 18cm intervals guide the tree's roots downwards.
- Flexible enough to install linearly, as a square or around a tree.
- All panels have a folded edge of 1.5cm, which prevents tree root growth
- All gtRibbed Root Panels have built-in anchorage, which prevents the tree roots from pushing the root panels upwards.
- Stiff enough to withstand the force of root growth.
- Simple system to join together, using screws.
- To be installed within 2m distance of a tree.
- Panel size: 220cm long and 57cm high, made from 2mm thick sheets.

Green-tech endeavour to ensure that the information given on this technical data sheet is accurate, but accept no liability for its use or its suitability for particular application.

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Available in the following configurations:

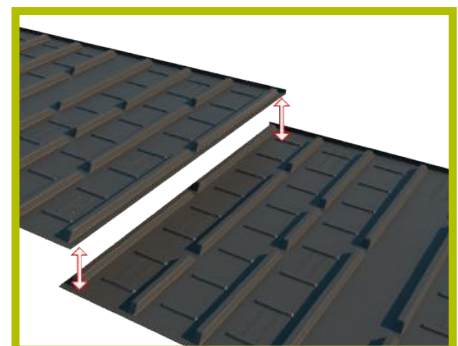
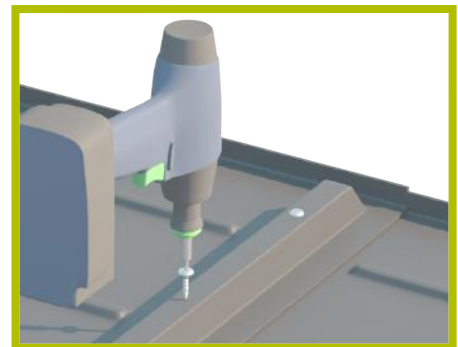
gtRibbed Root Panel Kits	Total Length	Panel Length	Panel Height	Panel Weight	Adhesive Included
1.1m gtRibbed Root Panel Square Kit	440cm	220cm	57cm	ca. 2.5kg	Y
1.4m gtRibbed Root Panel Circular Kit	440cm	220cm	57cm	ca. 2.5kg	Y
2.2m gtRibbed Root Panel Linear Kit	220cm	220cm	57cm	ca. 2.5kg	N
Additional Panels	220cm	220cm	57cm	ca. 2.5kg	N

Material:

- 100% HDPE with verticle guidance ribs 2cm wide, 18cm apart, projecting 2.5cm from the panel surface, with built-in soil anchors and an overhanging top edge 1.5cm wide.
- 100% Recyclable
- UV Resistant
- Resistant against chemicals
- Withstands root growth, dirt and bacteria.
- Composition: 100% HDPE regenerated.

Installation

- Panels can be secured by adhesive tape (supplied with kit packages) or screwed together by simply using a drill and screws.
- Place with ribs facing the vegetation.
- Install in such a way that the overhanging top edge is just visible.
- Compact the outside soil to a pressure of atleast 3 MPa = 3N/mm², pressing the soil firmly into the built-in soil anchors up to the downside of the top edge.



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