



## Root Guiding

The GreenMax Tree Root Guide was designed to prevent root growth from lifting and damaging paving. Its panels feature special guide ribs which redirect tree roots deeper into the soil. The Root Guide can be used within two metres of the tree. Conventional root barriers do not guide roots and therefore offer no stability and limit the room to grow.

Research shows that some right-angled 90 degree guide ribs are effective enough to prevent against rotating roots and guide the roots downwards instead. To prevent roots lifting the panels, horizontal ground anchors fix the panels in place. Our panels meet all requirements of root guidance. In addition, the TRG panels are also equipped with a double top edge. The rim prevents root growth over the panels and prevents cracking entry of the screens.

Root guidance has been in use since 1976, invented by the then founder of DeepRoot. The system has proved itself being in thousands of projects ever since. However, it is still essential to use the product in the correct way, which is very simple.

### Material

#### TRG30, TRG45, TRG60, TRG90, TRG105 and TRG120:

- High-quality recycled material (50% post-consumer)
- Injection moulded copolymer polypropylene
- Manufactured in ISO 9002 certified factories

#### TRG30, TRG45 and TRG60:

- 90° ribs guide tree roots downwards
- Reinforced double top rib, resistant to repeated foot traffic and against spring roots to prevent overgrowth
- Panels are 60 cm wide
- UV-stabiliser additive to prevent adverse effects of sunlight
- Ground anchors to prevent the panel from being pushed up out of the soil
- Produced in Europe

#### TRG90, TRG105, and TRG120:

- 90° ribs guide tree roots downwards
- Reinforced double top rib, resistant to repeated foot traffic and against spring roots to prevent overgrowth
- These panels can be interlinked in order to bridge any cables or piping encountered
- Panels are 75 cm wide
- UV-stabiliser additive to prevent adverse effects of sunlight
- Ground anchors to prevent the panel from being pushed up out of the soil
- Produced in Europe

### Dimensions

Panels height	Type	Width	Thick-ness	Per box	Per box
30 cm	TRG30	60 cm	2 mm	40 PCS	24 m <sup>1</sup>
45 cm	TRG45	60 cm	2 mm	26 PCS	15,6 m <sup>1</sup>
60 cm	TRG60	60 cm	2 mm	20 PCS	12 m <sup>1</sup>
90 cm	TRG90	75 cm	2 mm	delivered by piece	
105 cm	TRG105	75 cm	2 mm	delivered by piece	
120 cm	TRG120	75 cm	2 mm	delivered by piece	



What is new?



The following models of the panel were added to the range in 2017: **TRG90, TRG105 and TRG120.**

These guide panels are of the highest quality available. Similarly to the TRG45 and TRG60, they feature both ground anchors and a double upper rib.

The panels can be easily attached to one another, which makes for quick and easy installation.

Another added advantage is that they can be connected to a TRG45 or TRG60, for example, in order to bridge cables or piping.



### Linear installation

With Tree Root Guiding you ensure maximum protection of the hard landscaping. By using a linear application you give the tree maximum available root space and stability, therefore improving the health of the tree. To protect the hard landscaping the root guiders can be placed directly alongside of the pavement.

### All around installation

Protect the surrounding hard landscaping on all 4 sides of the tree with root guide panels. Use the maximum available space within the tree pit to ensure maximum uncompacted soil and free root space for the tree, and a good quality root guidance. Take enough space for the trunk flair as the tree grows to reach its mature size.

### Root pruning during renovation work

By some pruning of existing tree roots and the use of a TRG root guide you can prevent the tree eventually being removed; reducing the need for future root pruning time after time.

Using a Tree Root Guiding system means future damage to the Hard landscaping will be a thing of the past.

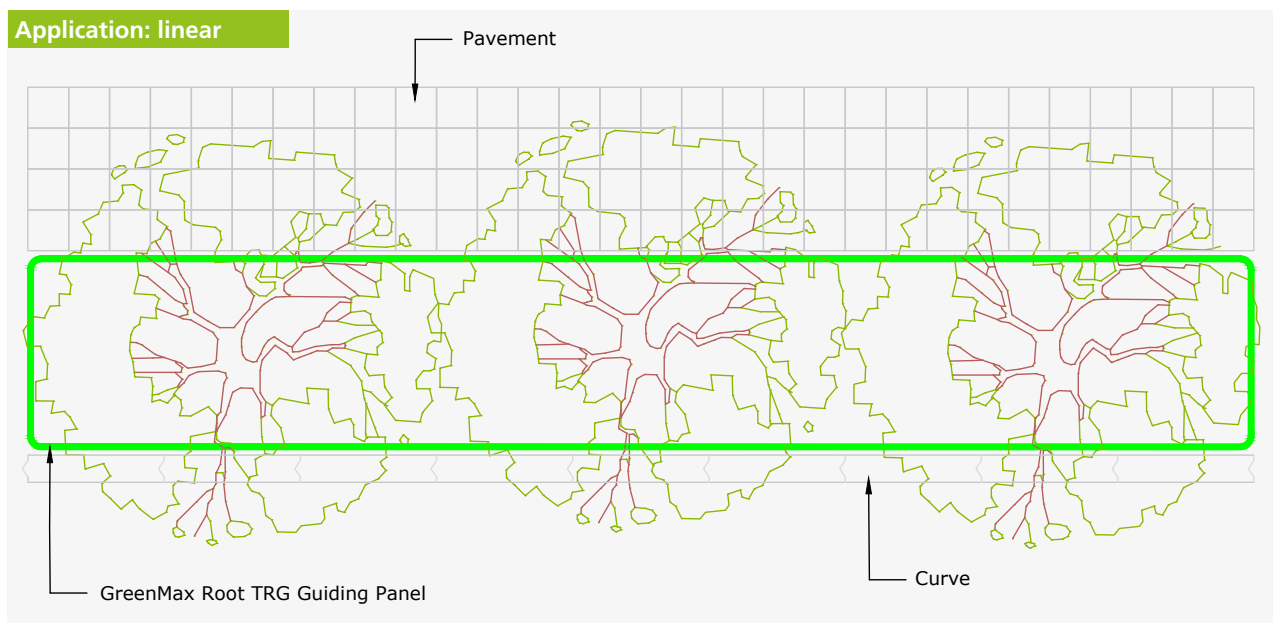
There may be the requirement for the removal of some roots, leading to a temporary decrease in stability. We recommend to seek the advice of a tree specialist or gardener, if this is necessary.

### Special applications

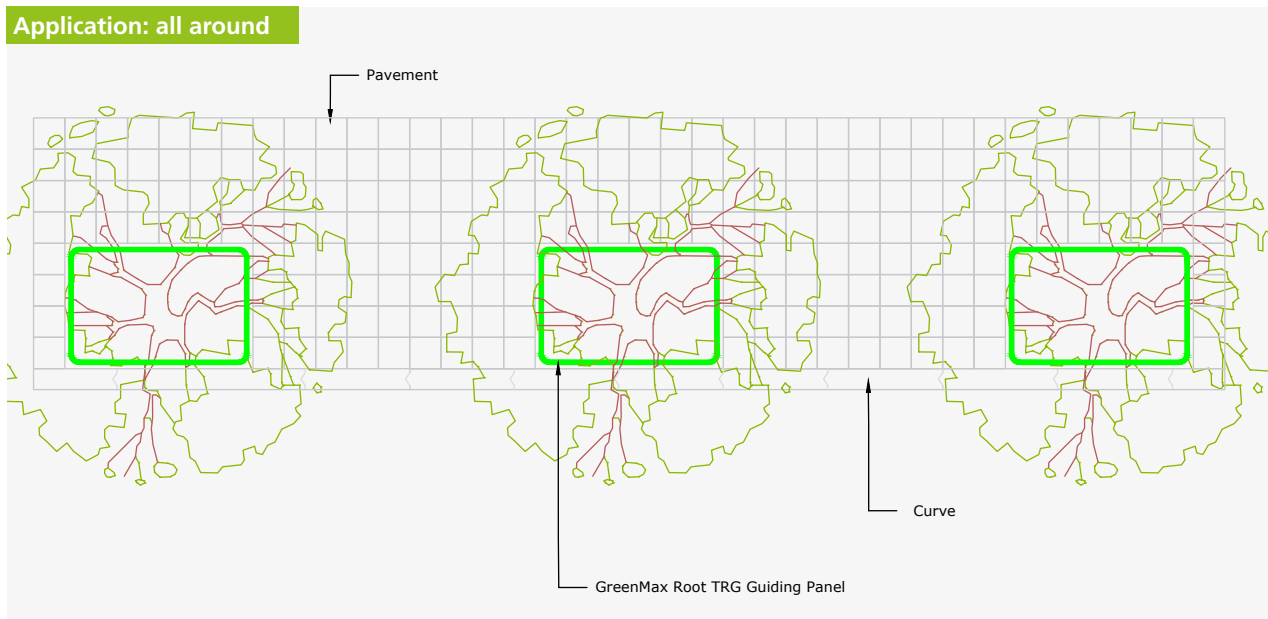
Root guidance can also be a solution, for protection against root damage at exceptional situations such as tennis courts, slopes, cemeteries, retaining walls etc. Because of the different dimensions GreenMax TRG panels can be used in different areas with different groundwater levels.

### RootBlock®

In some cases, it may be more desirable to just block tree roots by means of a root protection screen like RootControl® or RootBlock®, see page 9 / 10 in our catalogue for more information.



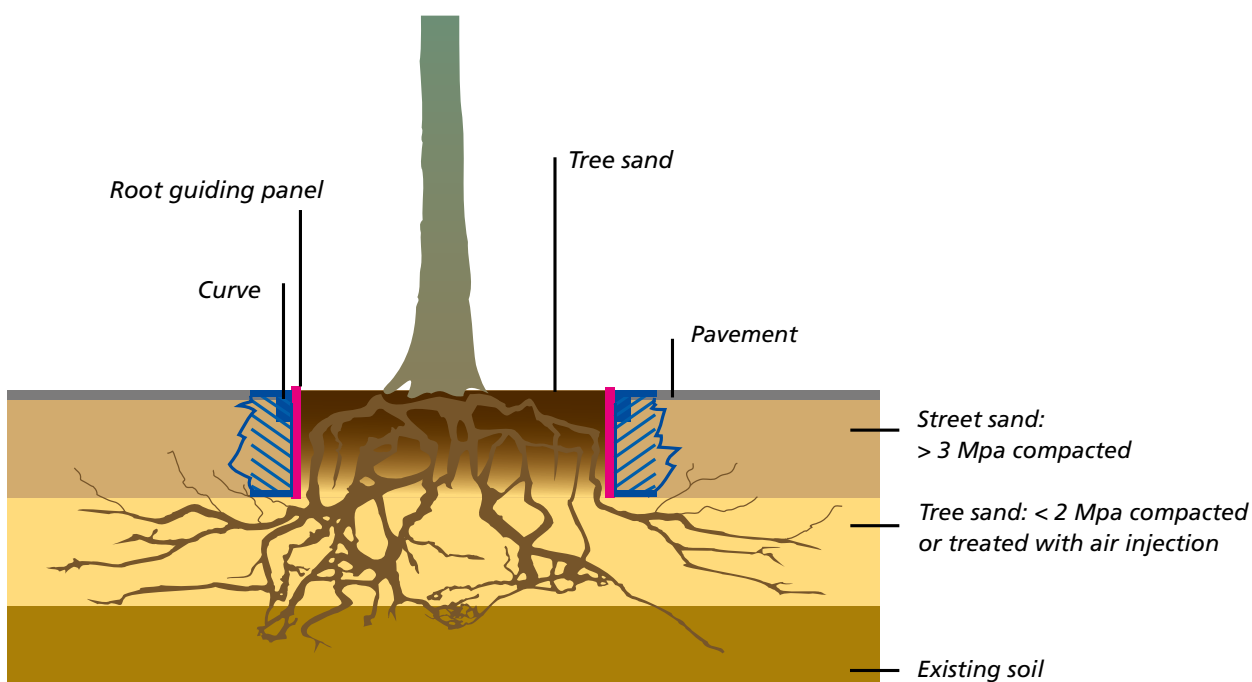
**Application: all around**



GreenMax TRG Tree Root Guiding is a barrier to control and guide tree roots. Adjacent to services or next to the tree without having to compromise on the health or growth of the tree. TRG can be used for existing and new planting applications.

**Application**

Guides / forces tree roots down, away from the hard landscaping, to prevent tree roots lifting the pavement.



Also applicable in tree granules