Technical Data Sheet

GREENMAX
connecting green and infrastructure

Root guidance system

Tree Root Guiding (TRG)

Dimensions

Panel height	Type	Thickness	OU	Metres per OU
30 cm	TRG30	2 mm	20 pieces	12 m[1]
45 cm	TRG45	2 mm	20 pieces	12 m[1]
60 cm	TRG60	2 mm	20 pieces	12 m[1]
90 cm	TRG90	2 mm	Supplied per 75 cm	
105 cm	TRG105	2 mm	Supplied per 75 cm	
120 cm	TRG120	2 mm	Supplied per 75 cm	

Extra option: coupling profile accessory
Other thicknesses/heights available on request

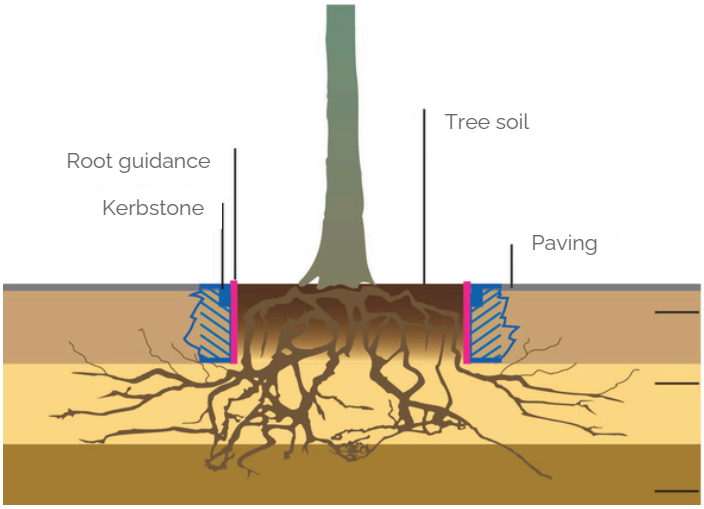
Specifications

Test	ASTM Test Method	Value Copolymer
Polypropylen Tensile stress @ yield	D638	3800 PS
Elongation @ yield	D638	6.3%
Flexural Modulus	D790B	155,000 PSI
Notched Izod Impact	D256A	7.1
Rockwell Hardness r. scale	D785A	68

Product Specifications

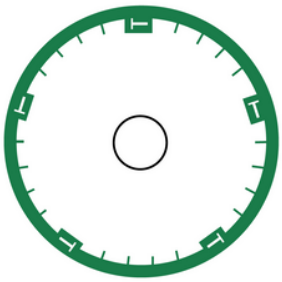
- Copolymer polypropylene (CPP) and high-density polyethylene (HDPE)
- 100% recyclable
- Injection-moulded
- UV-resistant
- Flexible
- Resistant to chemical substances
- Unaffected by root growth, dirt and micro-organisms
- Easy locking system
- The 90° ribs guide tree roots downwards
- Patented ground anchors prevent tree roots from pushing up the panels (types: TRG30, TRG45, TRG60, TRG90, TRG105, TRG120)
- Patented double top edge prevents root overgrowth across the top (types: TRG30, TRG45, TRG60, TRG90, TRG105, TRG120)
- Rounded edges ensure safe and easy handling
- Suitable for use close to the tree

Example of tree pit design with TRG



Also suitable for use in tree granulate

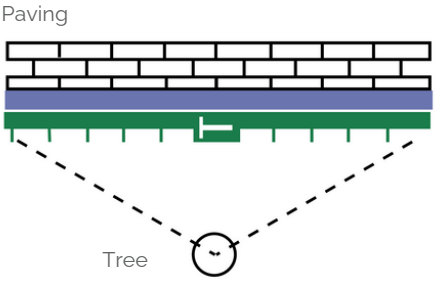
TRG installation around



Ø 5 panels = 96 cm
Ø 6 panels = 115 cm
Ø 8 panels = 153 cm

Cross-section calculation:
Total panel length divided by 3.14 = … cm

TRG installation linear



Minimum screen length = 4 × A

ADVICE

It is best to install the Tree Root Guiding system directly along the outer edge of the planting pit, on the inside of the pit, with the upper edge positioned 1 cm above ground level.

Advantages:
- Maximum rootable area
- Visually: one continuous edge
- Practically: easier to keep the tree pit surface clean