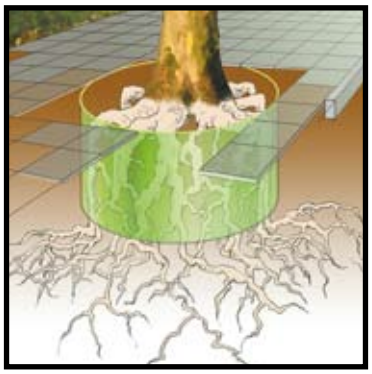
# DeepRoot®
# Tree Root Guide



**Application:**

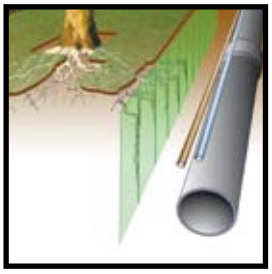
- Prevents damage to paving from tree roots.
- Enables trees in urban environments to develop completely and obtain more stability and room to grow.
- Can be installed at a distance of less than 1.50 metres from the foot of the tree.

**Tree root guide:**
The guide system has been designed to prevent paving from being pushed up. The special panels with guide ribs direct tree roots deeper into the soil. Conventional root inhibition systems do not guide roots and therefore offer no stability. Conventional inhibition systems can only be used at distances of 1.5 to 2 metres from trees; anything that has to be used within this distance has to make use of a guide system to help promote stability.

Root guiding is used both for new plantings and after roots have been cut (renovation) to preserve the beauty and value of fully-grown trees. Costs for repairs, liability for damaged paving as well as the risk of tripping are also minimized.

**The principle:**
Young tree roots grow horizontally and are stopped by the specially profiled panel. The guide ribs force the roots straight down (without the ribs the roots would continue to circle along the wall, as a result of which the tree would suffocate and would not become stable). Once at the bottom the roots can continue to grow horizontally, so that the tree becomes well anchored into the earth and damage to paving is avoided. It is important to follow our installation advice to obtain the horizontal growth.

**Properties:**
- Easy closing system
- 90° ribs guide tree roots downwards
- Patented soil anchors prevent tree roots from pushing up panels
- Patented double top edge prevents roots from jumping over it; can withstand prolonged loads and ensures smooth and clean processing
- Rounded edges for trouble-free use
- To be installed at a short distance from the tree



*The panels can be applied both in a linear way (all types) and around the tree (LR30, DR45, DR60).*

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Guiding nature!

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**Technical data:**

| Test | ASTM Test Method | Value Copolymer |
|---|---|---|
| Polypropylene | | |
| 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 |

**Material:**

- Copolymer polypropylene
- 50% recycled synthetic, 100% recyclable
- Mould-injected
- UV-proof
- Flexible
- Resistant against chemical elements
- Insensitive to root growth, dirt and micro-organisms

**Application guide:**

| Height/depth | Width | Type | Applied linear | Applied around | Protection of paving | Protection of Cables/pipes/sewers |
|---|---|---|---|---|---|---|
| 30 cm | 60 cm | LR30 | x | x | x | |
| 45 cm | 60 cm | DR45 | x | x | x | |
| 60 cm | 60 cm | DR60 | x | x | x | |
| 90 cm | 60 cm | LR90 | x | | x | x |
| 120 cm | 60 cm | LR120 | x | | x | x |

**Packaging and sizes:**

| **Panels** | | | |
|---|---|---|---|
| Height | Per box | Per box | Type |
| 30 cm | 40 items | 24 metres | LR 30 |
| 45 cm | 26 items | 15.6 metres | DR 45 |
| 60 cm | 20 items | 12 metres | DR 60 |
| 90 cm | 14 items | 8.5 metres | LR 90 |
| 120 cm | 10 items | 6.1 metres | LR 120 |

A box of LR30/DR45/DR60 weighs 19.8 kg.
A box of LR90/LR120 weighs 19.35 kg.
All panels are 60 cm wide and 2.16 mm thick.

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