



# RER 300A / 600A / 1000A

## Linear root management

Includes:

- Product information sheets
- Technical data sheet

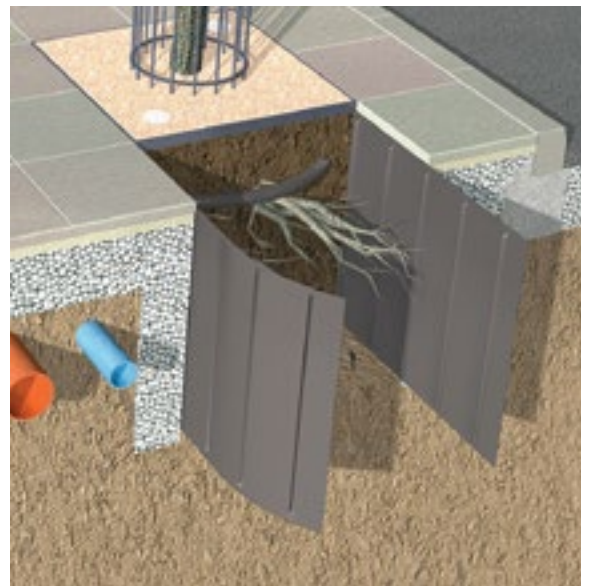
# ReRoot 300/600/1000

## LINEAR PAVEMENT PROTECTION

**ReRoot 300, ReRoot 600 and ReRoot 1000** products are ribbed root barriers designed for the protection of paved surfaces, shallow service ducts and utilities.

Available in roll form and in three different depths. The numbers 300, 600 and 1000 denote the depth in mm.

This versatile root management system can be used to surround individual or groups of trees because the ribs are proven to divert lateral root growth downwards.



### BENEFITS

- Easy to install, no specialist equipment needed.
- Available in 300mm, 600mm and 1000mm depth.
- Supplied in roll form and cut to order in 10m increments to minimise waste.
- Ribbed construction prevents root swirl and directs roots downward and outward.
- Flexible design allows the barrier to curve around obstacles but is rigid enough to hold its form when backfilling.
- ReRoot joint tape will ensure root proof joints when joining roll ends.

Important - Please read these instructions fully before starting assembly  
For further help telephone our technical helpline on 01424 433233

# ReRoot 300/600/1000

## LINEAR PAVEMENT PROTECTION

Many local authorities now state in their planning policy that trees planted in soft areas within 3m of a paved/hard surface, that will be adopted by the council, must be lined with a root barrier. This protects the pavement in the long term and the trees' root system in the event of pavement excavation.



ReRoot can be used to control root development with both individual and groups of trees. Lining the pavement as shown maximises rooting volume for the trees



ReRoot 1000 installed to protect underground services and divert roots beneath pavement surfaces



Typical project, three years after planting



Investment at planting stage will prevent costly root damage to pavements

### Typical Installation specification

Install ReRoot 300, 600 and 1000 linear root barrier with integral root deflecting ground lock ribs as follows: Excavate narrow trench to a depth of 300, 600 and 1000mm. Ensure that the base of the trench is firm and level. Remove any sharp objects from close proximity to the trench walls. Install root barrier with the ribs facing the tree roots. Backfill the tree side with good quality topsoil and the rear side of the barrier simultaneously with subsoil allowing for surface finishing – kerbing etc. Backfilling should be in layers. Concrete is permissible on the rear side of the barrier if required to support hard landscape surface. Care should be taken to remove any sharp objects from the backfill material. The top edge of the root barrier must remain 10mm above the surface tree side. To join roll ends tape both sides with GreenBlue Urban ReRoot jointing tape.

### Compatible 'Arborsystem' Products

- Tree pit irrigation.
- Soil structure systems.
- Root ball guying and ties.
- Tree grilles and guards.

Product	Thickness	Code
ReRoot 300	1.0mm	RER300A
ReRoot 600	1.0mm	RER600A
ReRoot 1000	1.0mm	RER1000A
ReRoot Joint Tape (10m roll)	-	RERJTA

# ReRoot 300/600/1000 ribbed root barrier

## Linear root management

### TYPE

Ribbed

### CODE

RER300A, RER600A & RER1000A

### SIZE

Thickness: 1mm

Width: RER300A 300mm

RER600A 600mm

RER1000A 1000mm

### ROLL SIZE

30m

### MATERIAL

HDPE

### FINISH

Natural

### COLOUR

Black

### WEIGHT

RER300A 0.3 kg per linear metre

RER600A 0.6 kg per linear metre

RER1000A 1.0 kg per linear metre

### MATERIAL CHARACTERISTICS

PROPERTIES	ISO	VALUE
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#### PHYSICAL

Density	g/cc	0.97
Shrinkage	2 %	2.5 – 3.0
Melt Flow (190°C/5kg)	g/10min	< 0.8

#### MECHANICAL

Izod Impact, notched,	kJ/m <sup>2</sup>	> 13
		> 10
Stress at yield	MPa	23-26
Stress at break	MPa	28-30
Strain at break	%	> 600
Flexular Modulus	MPa	950 – 1100
Shore D hardness		60-63

#### THERMAL

VST@10N (VST/A)	%	115-130
HDT@0.45MPa (HDT/B)	°C	73-80