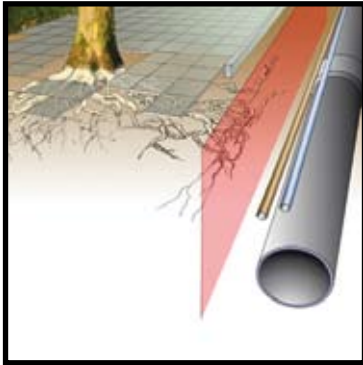


# GREENMAX

## RootBlock™ Plus



### For the protection of:

- cables
- pipes
- sewers
- foundations
- road surfacing
- gardens, sports fields, parks and playgrounds
- ponds and pools
- and the trees themselves

### RootBlock Plus:

The 2 mm thick RootBlock is the heaviest partition from our range (other thicknesses available on request). Heavy and yet the lightest one to use thanks to its length of 5 metres and its very strong and tested coupling. RootBlock is suitable for any type of root and soil and has for many years been an integral part in combating the unchecked growth of roots in many cities and towns.

Partitions protect the infrastructure against root problems. They also protect roots from being pruned that is required if no partitions are installed. The minimum distance from a tree to a partition is 1.5 m (depending on the type of tree, please contact us). This on account of the fact that partitions do not guide roots but only stop them. In most cases partitions are only applied in a linear way, not around trees, or the distance to the tree should be so large that stability is guaranteed. RootBlock Plus is made from certified HDPE and all couplings are inspected before they leave production.

RootBlock Plus also has the GW125 label for Germany and the partitions come with a 50-year guarantee.



### Properties:

- Patented coupling for fast and easy installation
- Able to withstand prolonged high loads
- Partition lengths of 5 m per roll ensure economical and easy use
- Heaviest and highest quality
- Clean and easy to install

### Material:

- High-quality certified HDPE:
- Flexible
- Strong
- Long lifespan (50 years)
- Suitable for reuse
- Recyclable
- Resistant against tree and bamboo roots, dirt and micro-organisms
- UV-proof

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## Specifications:

Property	Unit	Inspection method	Nominal value
Thickness	Mm	DIN 53353	2,0
Density	g/cm <sup>3</sup>	DIN 53479	0,944
Tensile strength (lengthwise and crosswise)		DIN 53455	PK4
Breaking strength	N/mm <sup>2</sup>		35
Elastic tension	N/mm <sup>2</sup>		17
Breaking strain	%	lo = 50 mm	> 750
		lo = 64 mm	> 600
Stretching elasticity	%	lo = 50 mm	11
		lo = 33 mm	15
Edge tearing resistance	N	53515	270
Penetration resistance	N	FTMS 101,Verfahren 2065	535
Soot content	%	ASTM D 1603	2-3.
Soot distribution		ASTM D 3015	A1/A2
Dimensional variation after storage in heat	%	DIN 53377, 120°C, 1 h	2
Stress burst resistance	h	ASTM D 1963, Cond. B	> 1500
Impact tensile strength	mJ/mm <sup>2</sup>	DIN 53448	800
Resistance to cold	°C	ASTM D 746, Cond. B	<-84
Resistance to cold at -20°C	DIN 53361	No failure	
Oxidative induction time	Min	ASTM D 3895, 200°C, 100% O <sub>2</sub> , bei 1 atm	100
Resistance to ozone		ASTM D 1149, 7 d 100 ppm	Keine Risse
Water absorption	Gw-%	DIN 53521	< 0,01
Water vapour permeability	g/m <sup>2</sup> d	ASTM E 96	< 0,001
Schmelzindex MFI	g/10 min	DIN 53735 190/2, 16	< 1,0
Schmelzindex MFI	g/10 min	DIN 53735 190/5	< 3,0

## Sizes and packaging:

Panels			
Height	Length	Thickness	Type
50 cm	5 metres	2 mm	RB 50
60 cm	5 metres	2 mm	RB 60
75 cm	5 metres	2 mm	RB 75
100 cm	5 metres	2 mm	RB 100
150 cm	5 metres	2 mm	RB 150
200 cm	5 metres	2 mm	RB 200
250 cm	5 metres	2 mm	RB 250
300 cm	5 metres	2 mm	RB 300

## Specifications

Specifications are available on our website or from our office.

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