

RootGard™

Root Barriers



About RootGard™

RootGard™ root barriers are versatile and made of extremely tough polyethylene to protect hardscapes and landscapes from damage by tree roots. When used around building foundations, RootGard™ also prevents root intrusion.

The impermeable geomembrane is also ideal for golf course construction to separate the greens from invasive grass and clay soils.

RootGard™ reduces maintenance costs and damage caused by root intrusion and may be installed for both new and established planting.

The smooth plastic is pliable and can be formed into any shape or size.

Strategically positioned to abut against hardscapes, these geomembranes will prevent intrusion of roots into sensitive areas.

RootGard™ can be installed both in linear and circular style planting.



Advantages

- Flexible and suitable for use in irregular or difficult locations
- Manufactured from high quality lightweight polyethylene material
- Available in a range of depth and length configurations to fit all planning applications.
- Cut edges can be easily joined using adhesive.
- Simple and easy installation
- Resistant to biological attack and a wide range of soil borne chemicals

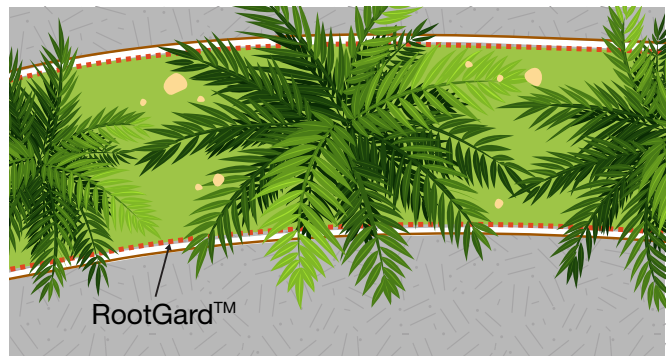


Enhancing the Urban Experience

Technical Specification

Material	HDPE
Depth	300, 600, 1000, 1500 mm
Thickness	1.25 ± 0.05 mm
Break strength	
Machine direction	2600 t/m ² (ASTM D638)
Transverse direction	2700 t/m ² (ASTM D638)
Break elongation	
Machine direction	600% (ASTM D638)
Transverse direction	700% (ASTM D638)
Tear strength	
Machine direction	14 kgf (ASTM D1004)
Transverse direction	15 kgf (ASTM D1004)
Puncture strength	36.5 kgf (ASTM D4833)
Hydrostatic resistance	200 t/m ² (ASTM D751-A)
Multi-Axial tensile stress	1600 t/m ² (ASTM D5617-A)
Elongation @rupture	20.8% (ASTM D5617-A)

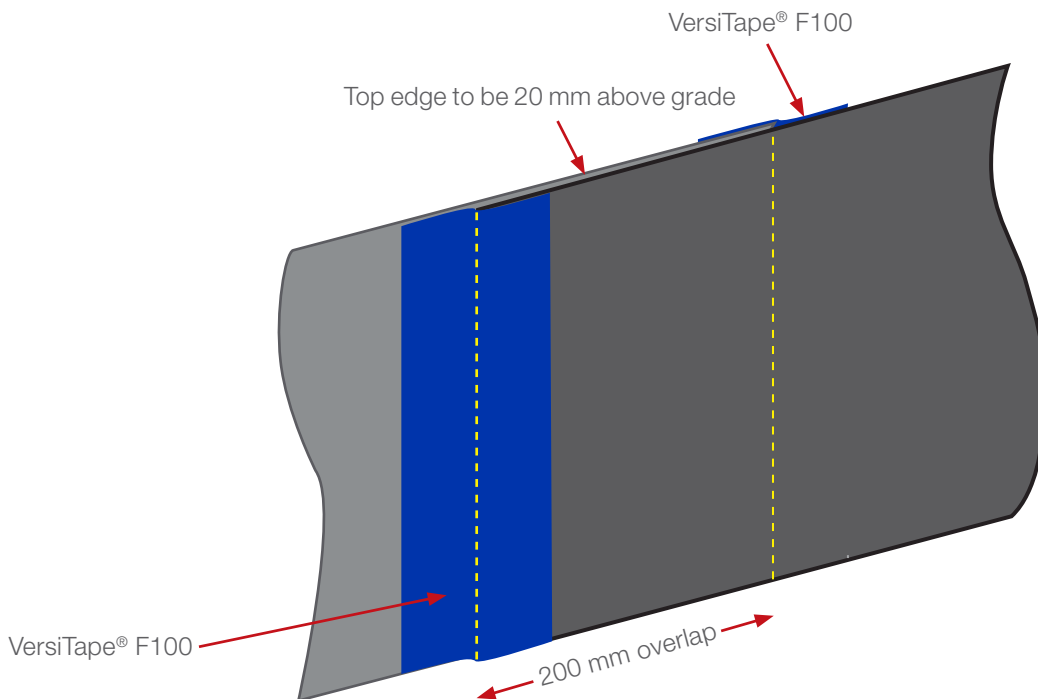
Typical Linear Application



Typical Circular Application



Joining details of RootGard™



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