



## TERRAM ROOTGUARD™



**Root control barrier to protect buildings, walls, paths, access roads, drainage pipes and underground cables from root damage.**



TERRAM ROOTGUARD and TERRAM ROOTGUARD PLUS are used to protect buildings, walls, paths, drainage pipes, cables and lawns from potential damage caused by root development.

Tree roots grow very close to the surface and are the cause of considerable damage. Structures with shallow foundations can be undermined. Damaged pipes, or pipes with faulty joints can become blocked by roots. Root growth is also known to cause desiccation of soils to the extent that soil shrinkage can result in parts of the foundation no longer being supported. When this occurs structures may subside and crack, and in these circumstances expensive underpinning may be the only solution.

The choice of TERRAM ROOTGUARD product will depend upon the application, specifically whether water needs to pass through the product:

### **TERRAM ROOTGUARD - permeable solution**

In some instances it may be necessary to have a water-permeable solution e.g. surrounding land drains. Although some permeable barriers may not provide the highest level of protection (see TERRAM ROOTGUARD PLUS), they still provide excellent resistance.

TERRAM ROOTGUARD is a geotextile manufactured from polypropylene/polyethylene fibres. It provides excellent resistance to root development; confirmed in numerous trials and commercial projects. TERRAM ROOTGUARD has high tensile strength, high puncture resistance and is capable of withstanding the differential forces that can develop in clay soils.

### **TERRAM ROOTGUARD PLUS - impermeable solution**

Research has demonstrated that high-density polyethylene (HDPE) can withstand penetration by even the most vigorous of tree roots. TERRAM ROOTGUARD PLUS - a composite of TERRAM ROOTGUARD and an HDPE membrane is the choice when there is no requirement for water to pass through the barrier. This product will provide the greatest degree of protection.

Both products are chemically inert to natural soil conditions and resistant to biodegradation.



## TERRAM ROOTGUARD PRODUCT DETAILS

PRODUCT	ROLL SIZE (m)	WEIGHT	CBR PUNCTURE RESISTANCE	COLOUR	MATERIAL	PART NO.
TERRAM ROOTGUARD	2.25 x 25	260g/m <sup>2</sup>	3250N	Black	Non Woven PE/PP	081257
TERRAM ROOTGUARD PLUS	2 x 25	275g/m <sup>2</sup>	2550N	Black	Non Woven PP HDPE coated	081127



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