



## GEOCELL Tree Root Protection



**Permanent protection of tree roots where a road, access route or driveway is required when existing trees are to remain undamaged by the excavation and finished trafficked surface.**



Terram GEOCELL tree-root protection is a cellular-confinement system fabricated from a permeable geotextile and is designed as an acceptable solution for tree-root protection where a road, access route or driveway is required. See Arboricultural Advisory and Information Services APN12: Driveways close to trees.

The system confines the sub-base, stabilises the ground and ensures that the roots beneath are protected from vehicle loads whilst still being able to breathe and obtain moisture and nutrients.

A Terram GEOCELL is supplied as flat packed panels which are opened to form the characteristic honeycomb structure. These are positioned and pinned to the ground using J shaped metal pins and filled with a suitable, permeable fill. The geocell confines the fill and ensures that downward forces are spread laterally reducing loads on the underlying soils. Without the cellular system, the surface would become rutted and compacted with the traffic loads damaging the tree roots and potentially resulting in the death of the tree.

Once filled, the geocell can be trafficked but it is not intended to be a permanent surface solution unless it is paved e.g. with BODPAVE 85 pavers.

A Terram GEOCELL may be used as a temporary expediency e.g. when access to a site is limited by the presence of tree roots. On completion, the geocell can be removed, with the ground left undamaged, or paved with an appropriate surfacing.

**A geocell is the ideal solution for tree-protection areas. The tough permeable fabric allows water and oxygen to penetrate through to the roots.**

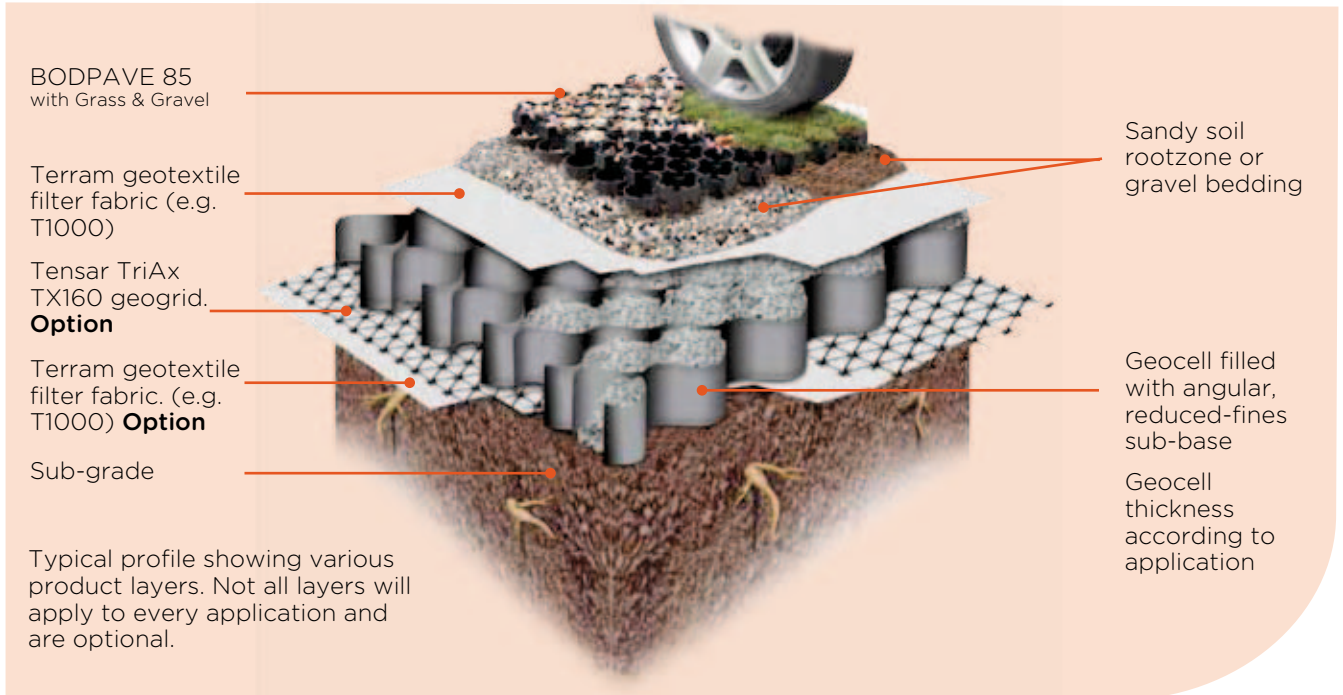
### APPLICATIONS

- Permanent woodland trails
- Paths
- Driveways
- Roads
- Access routes
- Parking areas





## TYPICAL PROFILE



## Metal Fixing Pins

Metal fixing pins can be used to fix the cells to the ground.

PRODUCT	SIZE (mm)	MATERIAL	PART No.
J-pins	550 long x 8 dia.	Steel rod	051038

## GEOCELL PRODUCT DETAILS

PRODUCT	PANEL SIZE (m)	CELL Dia & DEPTH (mm)	PANEL WEIGHT	GROUND REINFORCEMENT LOAD CAPACITY	MATERIAL	PART No.
GEOCELL 25/15	5 x 7	250 dia. x 150	25kg	Light Vehicles	Non-woven PP/PE	082148
GEOCELL 22/20	6 x 3	220 dia. x 200	20kg	Heavy Vehicles	Non-woven PP/PEæ	082056



Visit our website for further information on:  
Data Sheets, Installation & Design Guidances  
and Case Studies or call +44 (0) 1621 874200



[www.terram.com](http://www.terram.com)

Free technical seminars can be arranged to suit your specific area of interest in our product range. Please contact us for further details.