



PROTECTAWEB™

Tree root protection & slope stabilisation system

ProtectaWeb Tree root protection system is a proven no-dig method of enabling the creation of access ways or parking areas in close proximity to nearby trees. The unique composition and strength of ProtectaWeb ensures this can be done without compacting the soil, which can cause irreparable harm to the tree's life support system. ProtectaWeb slope stabilisation system has been designed to prevent shear failure and lateral movement of aggregate materials. It works by stabilising the infill, providing load distribution over weak soils, and base stabilisation for paved and unpaved roads.

KEY ATTRIBUTES

- ✓ Provides even distribution of traffic weight
- ✓ Guards against root damage from digging out
- ✓ Ensures unrestricted passageways for oxygen and water to roots
- ✓ Protects roots from contamination by nonwoven geotextile (MultiTrack SNW 40 UV)
- ✓ Reduced compaction of sub-soils
- ✓ Keeps tree healthy

APPLICATION AREAS

- ▶ Car park areas
- ▶ Access roads
- ▶ Driveways
- ▶ Footpaths
- ▶ Fire access route

KEY FUNCTIONS

- ▶ Protection
- ▶ Reinforcement
- ▶ Filtration
- ▶ Drainage
- ▶ Erosion control

DEPTH OF CELL REQUIRED	APPLICATION
200mm	For construction vehicles, HGVs, refuse vehicles up to 40 tons
150mm	For delivery vans, emergency access, tractors up to 16 tons
100mm	Domestic traffic up to 3 tons
75mm	Pedestrians, cycleways and vehicles up to 1.5 tons



PROPERTY	TEST METHOD	VALUE
Material		High density polyethylene
Standard colour		Black
Density (g/cm ³)	ISO 1183	≥0.94
Carbon black content (%)	BS 2782	≥1.5
Tensile strength ¹ MD (kN/m)	ISO 10319	≥20
Tensile strength of perforated strip MD (kN/m)	ISO 10319	≥10
Elongation at maximum load ^{1,2} (%)	ISO 10319	15
Seam Peel Strength ³ (N/100mm depth cell)	ISO 13426 Method B	≥1420

PRODUCT	SHEET LENGTH (m)	BONDED RANGES (mm)	CELL DEPTH (mm)	EXPANDED CELL SIZE (WXL) (mm)	NO OF CELLS/SECTION	EXPANDED SECTION SIZE (m)	EXPANDED SECTION AREA (m ²)
50-356	3.68	356±2.5	50	260x224	330	2.71x7.38	20
75-356			75				
100-356			100				
150-356			150				
200-356			200				

	TEST METHOD	50-536	75-356	100-356	150-356	200-356
Cell depth (mm)		50	75	100	150	200
Sheet length (m)	-	3.68				
Bonded ranges (mm)	-	356±2.5				
Expanded cell size (WxL) (mm)	-	260x224				
No of cells/section	-	330				
Expanded section size (m)	-	2.71x7.38				
Expanded section area (m ²)	-	20				
Material	-	High density polyethylene				
Standard colour	-	Black				
Density (g/cm ³)	ISO 1183	≥0.94				
Carbon black content (%)	BS 2782	≥1.5				
Tensile strength ¹ MD (kN/m)	ISO 10319	≥20				
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Elongation at maximum load ^{1,2} (%)	ISO 10319	15				
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1. Measured before perforated 2. Typical value.

Note: All products have embossed surfaces and perforations. Custom panel sizes are available.



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1. Wrekin Products Ltd is continually seeking to improve our products and therefore reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves the above data is current.
3. Installation details are available on request.