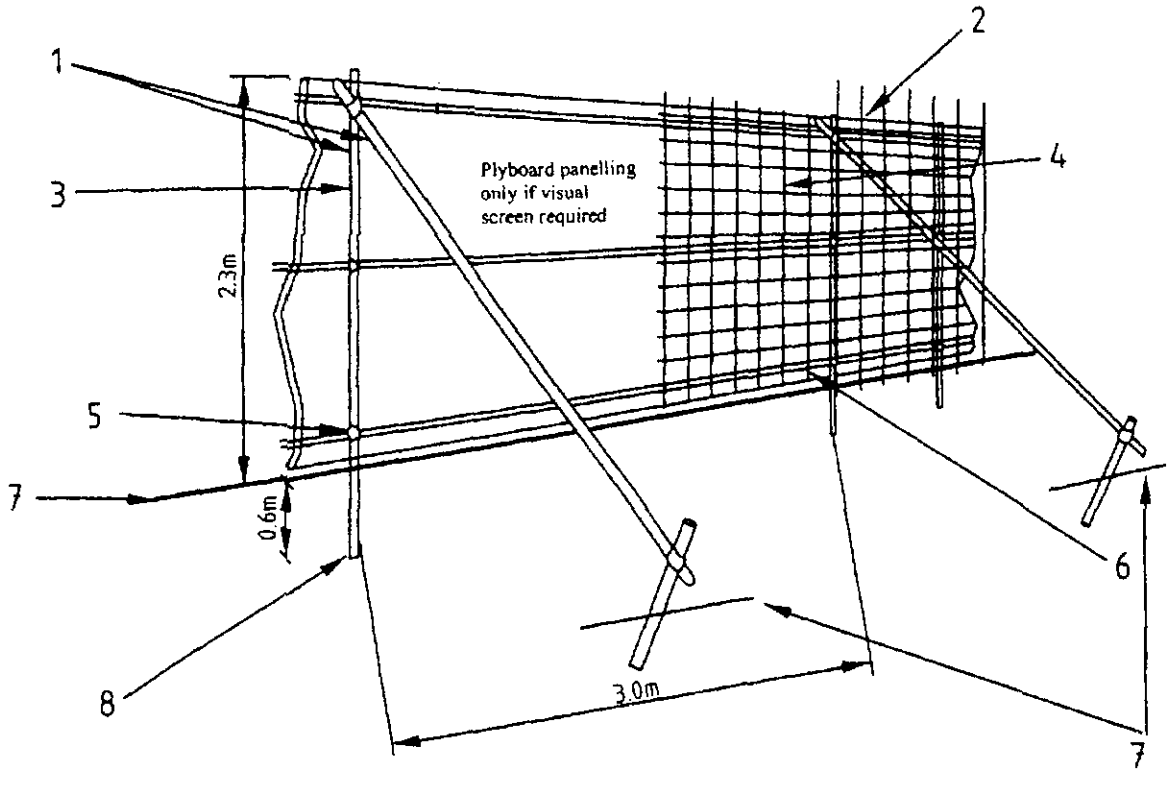
15.0 APPENDIX 1

15.1 Tree Protection Fencing to BS 5837

15.2 Note 4 refers to weldmesh panels, this will be substituted for Heras mesh panels.



1 Standard scaffold poles

2 Uprights to be driven into the ground

3 Panels secured to uprights with wire ties and where necessary standard scaffold clamps

4 Weldmesh wired to the uprights and horizontals

5 Standard clamps

6 Wire twisted and secured on inside face of fencing to avoid easy dismantling

7 Ground level

8 Approx. 0.6 m driven into the ground

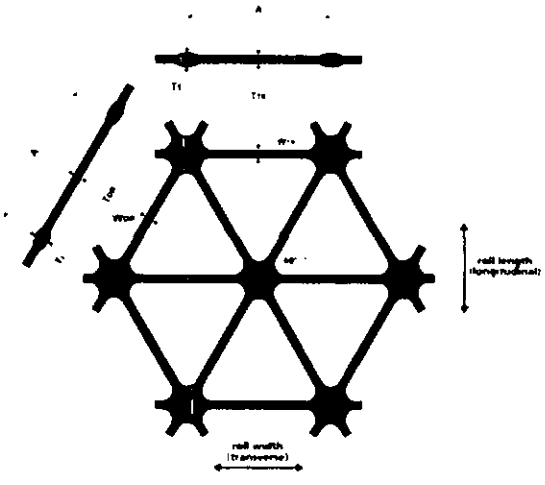
Figure 2 — Protective barrier

15.3 Geogrid Specification (TENSAR)

Tensar TriAx™ Geogrids Specifications

Tensar TriAx geogrid is a new revolutionary product for stabilisation applications. The performance benefits overtake Tensar biaxial geogrids and bring even more cost effective designs.

See the Ground Stabilisation page for further information on the application of Tensar Technology in the art and science of ground stabilisation.



TriAx Product Description

Triaxially oriented monolithically formed polymeric geogrid with stable apertures, rigid junctions and stiff ribs

Tensar TriAx ™ geogrid - typical dimensions (mm)

	A	W_{TR}	W_{DR}	T_J	T_{TR}	T_{DR}
TX160	40	1.3	1.1	4.7	1.9	2.0
TX170	40	1.3	1.2			

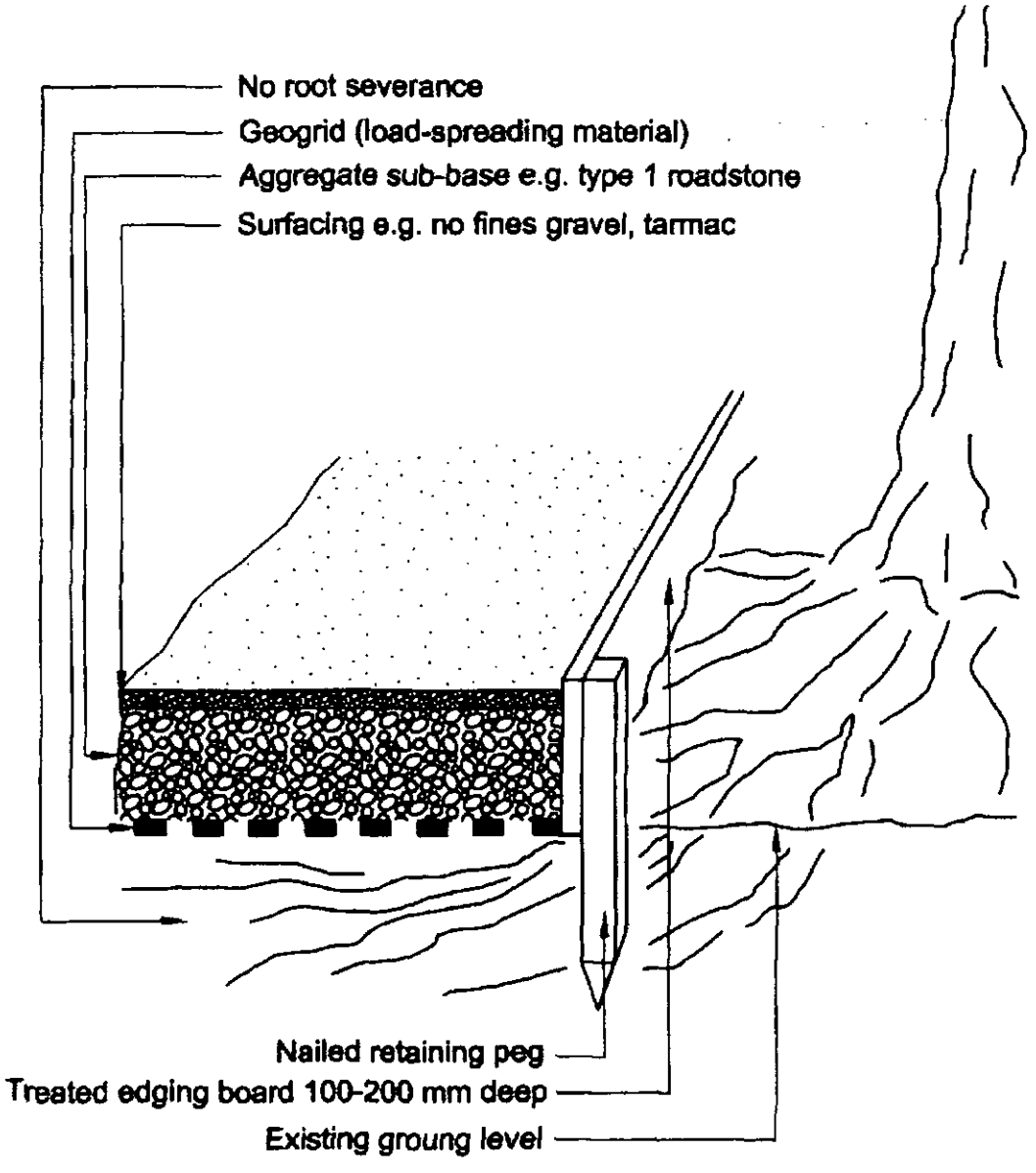
Tensar TriAx ™ geogrid - physical chracteristics

	Minimum carbon % black content (2)	Roll length (m)	Roll width (m)	Polymer
TX160	2	75	4.0	PP
TX170	2	50	4.0	PP

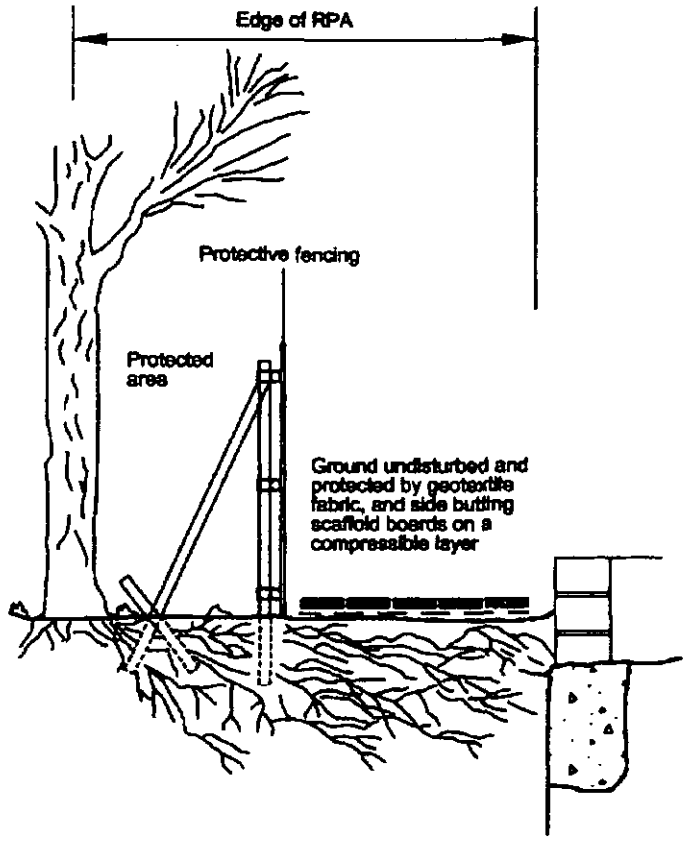
1. PP denotes Polypropylene.
2. Determined in accordance with BS 2782:Part 4:Method 452B:1993.
3. All dimensions are typical unless otherwise stated.

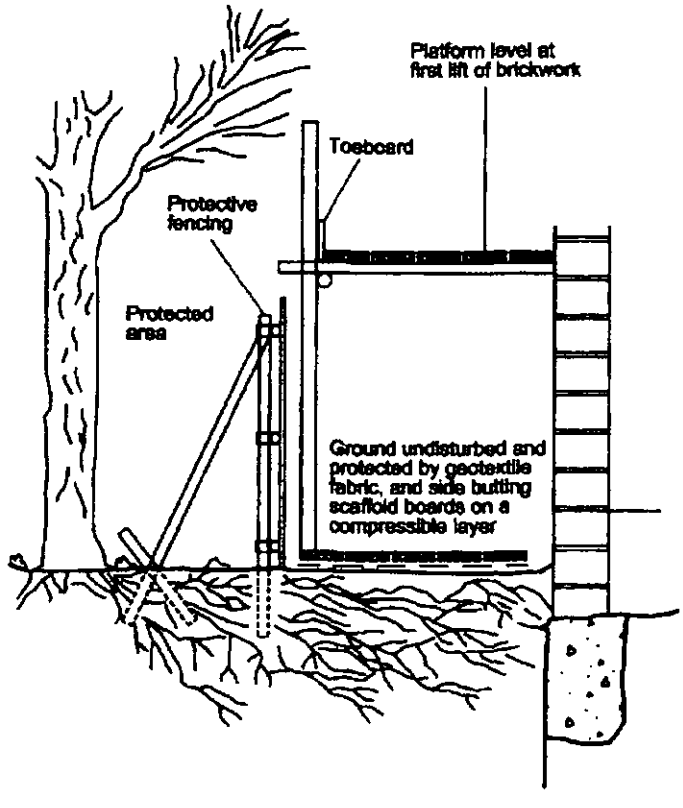
Discover Tensar Applications: solutions for Soil Reinforcement, Ground Stabilisation, Erosion protection and Asphalt Reinforcement.

15.4 No dig method of Construction method, for Access, Driveway and turning head. Based on Arboricultural Practice Note 12



15.5 Specification drawing highlighting the erection of scaffolding within a Known Root Protection Areas.





15.6 Monarflex Root Barrier MRB500, product data sheet 1

PRODUCT DATA SHEET

Monarflex Root Barrier MRB500

Root Containment Lining

Tested for	Value	Test Methods
Raw Material	LDPE (Low Density Polyethylene)	
Density	0.929 gr/cm^3	DIN 53 479 D
Melt Index	0.9 gr/10min	ASTM D1238
Tensile Stress at Break		
Machine Direction	18.1 N/mm^2	ASTM D638
Transverse Direction	17.7 N/mm^2	ASTM D638
Elongation at Yield		
Machine Direction	147%	ASTM D638
Transverse Direction	118%	ASTM D638
Elongation at Break		
Machine Direction	540%	ASTM D638
Transverse Direction	610%	ASTM D638
Tensile Stress at Yield		
Machine Direction	8.9 N/mm^2	ASTM D638
Transverse Direction	7.8 N/mm^2	ASTM D638
Tear Resistance		
Transverse Direction	166 N/mm^2	DS/ISO 6383/1-85
Seam Strength	>=Stress at Yield	
Low Temperature	Brittleness temperature –30°C	ISO 974 - 1980
Friction Capability		
Static Dry Gravel	0.6	DIN-53 375 – 1986
Static Wet Gravel	0.68	DIN-53 375 – 1986
Dynamic	Static	DIN-53 375 – 1986
Thickness	0.5mm	
Tensile Strength (KN/m)	8.9	
Puncture Resistance		
Puncture (N) At	180	
Penetration (N) At	248	
Puncture Resistance (gr)	-	

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www.monarflexgeomembranes.co.uk

15.7 Monarflex Root Barrier MRB500, product data sheet 2

NBS

Monarflex Root Barrier MRB500

Root Containment Lining

Root Containment Application:

Manufacturer and reference: Monarflex MRB 500 by Icopal Monarflex Geomembranes Ltd, PO Box 6318, Leighton Buzzard, LU7 6AN - Telephone: 08444 123 175 Fax: 01525 384 477

- Thickness/gauge: [0.5mm] Weight: [500 gsm]
- Lay sheets neatly and tuck well into angles to prevent bridging and creasing.
- Joint sheets by Icopal Monarflex Geomembranes Ltd. Twinny welding system with laps of not less than 150 mm.
- All pipe and duct penetrations to be sealed using Blackline preformed Top Hats complete with stainless steel jubilee clips.
- Concrete structures to be joined using GRP Battening to Icopal Monarflex Geomembranes Ltd standard working details.
- All materials to be installed by Icopal Monarflex Geomembranes Ltd to IS9002.
- Protection to Geomembrane prior to overlaying construction/backfill required with a suitable Geotextile protection fleece by Icopal Monarflex Geomembranes.

Workmanship Generally:

- Apply materials carefully to provide a completely impervious, continuous membrane.
- Ensure that surfaces to be covered are clean, dry, smooth and free from voids, sharp protrusions and frost.
- Protect finished sheeting adequately to prevent puncturing during following work.
- Cover sheeting with permanent overlying construction/backfill as soon as possible. Immediately prior to covering check for damage and repair as necessary.

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