

# Geotechnical Products

## Woven Geotextile

**GP90** is a woven geotextile manufactured from extruded slit film polypropylene tapes which are resistant to all naturally occurring soil acids and alkalis and unaffected by bacteria and fungi. Its woven construction delivers high tensile strength, making it particularly suitable for use in separation layers

Mechanical Properties	Units	GP90
Tensile Strength - MD	kN/m	18
Tensile strength - XD	kN/m	10
CBR Puncture Resistance	N	1500
Roll Size	m	4.5x100



## Non Woven Geotextile

The **TNW1100T** Non woven geotextile has been designed to offer optimum performance per unit weight. Their resulting mechanical robustness and excellent hydraulic properties make them the ideal choice for separation and filtration.

Mechanical Properties	Units	GP90
Tensile Strength - MD	kN/m	8
Tensile strength - CD	kN/m	8
Static Puncture Resistance	N	1500
Roll Size	m	4.5x100



**Terram 1000** has been a popular and widely recognised non woven geotextile for many years.

Typical uses for Terram standard geotextiles include ground stabilisation (between the sub-base and subgrade) and around drainage materials.

Mechanical Properties	Units	GP90
Tensile Strength - MD	kN/m	8
Tensile Elongation	%	60
CBR Puncture Resistance	N	1500
Roll Size	m	4.5x100



### Hi Vis Geotextile

TS1000 Orange Geotextile is made from UV-stabilised polypropylene.

This orange geotextile offers a high visibility warning layer (for future dig) in contaminated land applications whilst offering both separation and filtration functions.



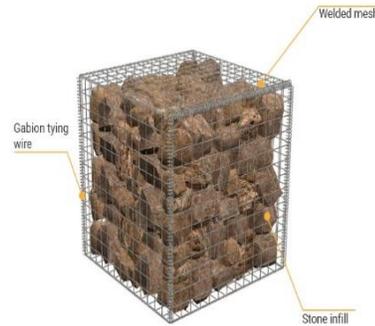
Mechanical Properties	Units	GP90
Tensile Strength - MD	kN/m	8
Tensile Strength - XD	kN/m	8
CBR Puncture Resistance	N	1500
Roll Size	m	4.0x100

### Gabion Baskets

We offer a range of wire mesh **Gabion baskets** that are delivered flat packed and ready to be assembled on site via wire or helical fixings prior to filling on site.

Gabions are typically supplied in 76.2mm x 76.2mm aperture welded mesh, zinc coated to triple life corrosion protection as standard.

Other mesh sizes, optional PVC coating are also available. Range of sizes available to suit required gabion design.



### Plastic Paving Grids

**Techpave** is an interlocking polymer paving system designed to locally stabilise grass or gravel surfaces.

Techpave is suitable for applications such as car parks, driveways and footpaths. Techpave HD is available for areas where traffic loads are higher.

Techpave can be filled with stone or soil to provide a finish that is not only suitable but is attractive and robust.

Techpave is supplied in a 500x500x40mm grid which can be interlocked. Techpave HD is supplied in a 500x500x85mm grid



### Biaxial Geogrids

Tensars popular SS range of biaxial geogrids have been widely used over the past 30 years.

Supplied in 4mx50m rolls in SS20 , SS30 and SS40 grades.

The SS Geogrid is a still monolithic geogrid with integral junctions giving strenght in two directions.



### Triax Geogrids

Tensar have developed upon its popular biaxial geogrid and developed its **Triax** range based upon one of the most efficient and stable structural forms - traingles.

The Triax range now offering multi directional tensile strength.

TX160 and TX170 supplied in 4m x 75m rolls as standard



### Composite Geogrids

Tensars TX-G range combines the high performance structural stabilising effect if the geogrid with the separation function of a geotextile.

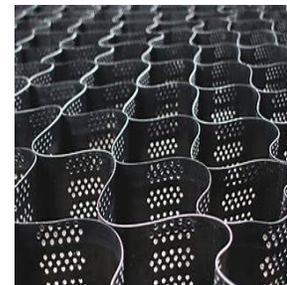
Used in application areas with high water levels of mobile subgrade soils.



### Cellular Confinement Systems

Techcell is a multifunctional system which can not only offer stabilisation benefits - in for example no dig tree root protection layers - but also soil erosion protection on slopes and reinforcement benefits in earth retaining structures and embankments.

Techcell is available in a range of mattress thicknesses form 75mm - 200mm



### Erosion Control Mats

A wide range of erosion control mats are available - Polymer based for longer lasting applications and non-biodegradable options.

The control mats are put in place to permit a cover of vegetation to become established and maintained.

Commonly used on riverbanks, reservoir shores, landfill caps and railway embankments.



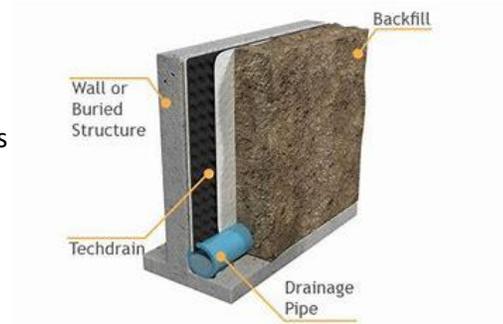
### Drainage Sheets

6mm HDPE cusped drainage board with a geotextile filter bonded to a single side.

Can be utilised to provide effective drainage in a variety of applications from highway embankments to residential foundations.

Supplied in 100m x 0.97m rolls

\*\*Range of other thicknesses available on request \*\*



### Bentofix Clay Liner

Bentofix Geosynthetic Clay Liner is a needle punched, thermally reinforced composite - comprised of a core of natural sodium bentonite clay between two durable geotextile layers to form a low permeability hydraulic barrier. Commonly used in gold course ponds, stormwater management, dams & dikes.



### GRP Lit Pit Liner

Custom manufactured to suit individual site requirements.

Supplied to site "ready to use"

highly resistant to chemical attack



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