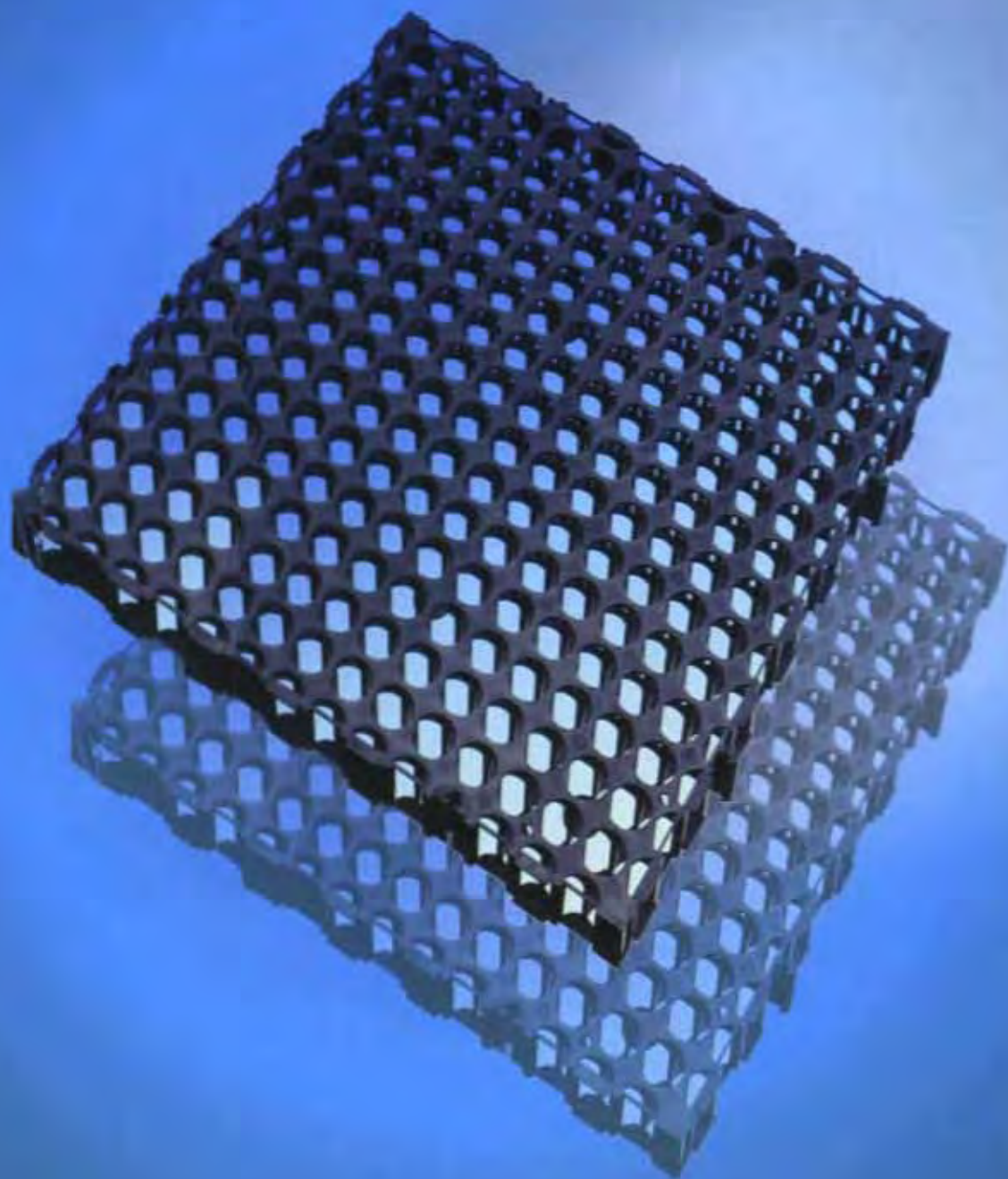


DRAINAGE CELL



TOTAL DRAINAGE FOR LANDSCAPING APPLICATIONS

AUSDRAIN 30mm Drainage Cell

AUSDRAIN 30mm Drainage Cell provides a permanent, structural and non-clogging void between the building structure and the soil profile that will not collapse or distort. The 30mm void enables a direct flow of water to designated outlets resulting in superior drainage efficiency compared to conventional systems.

AUSDRAIN 30mm Drainage Cell is lightweight and reduces weight on the structure by 98% compared to gravel. This makes it the perfect choice for planter boxes, roof top gardens and podiums. In addition, there is a 5:1 reduction in the drainage medium height that enables greater scope for soil depth and plantings.

A layer of geotextile fabric is placed over the Drainage Cell and combined with a layer of washed sand, filters the water eliminating staining caused by gravel, stone and soil.

The smooth surface of the Drainage Cell also assists in protecting the underlying waterproof membrane.

AUSDRAIN 30mm Drainage Cell is supplied in 1m x 1m panels making installation fast and saving valuable time and labour on large scale projects. The panels can also be easily interlocked for use in vertical applications.

APPLICATIONS

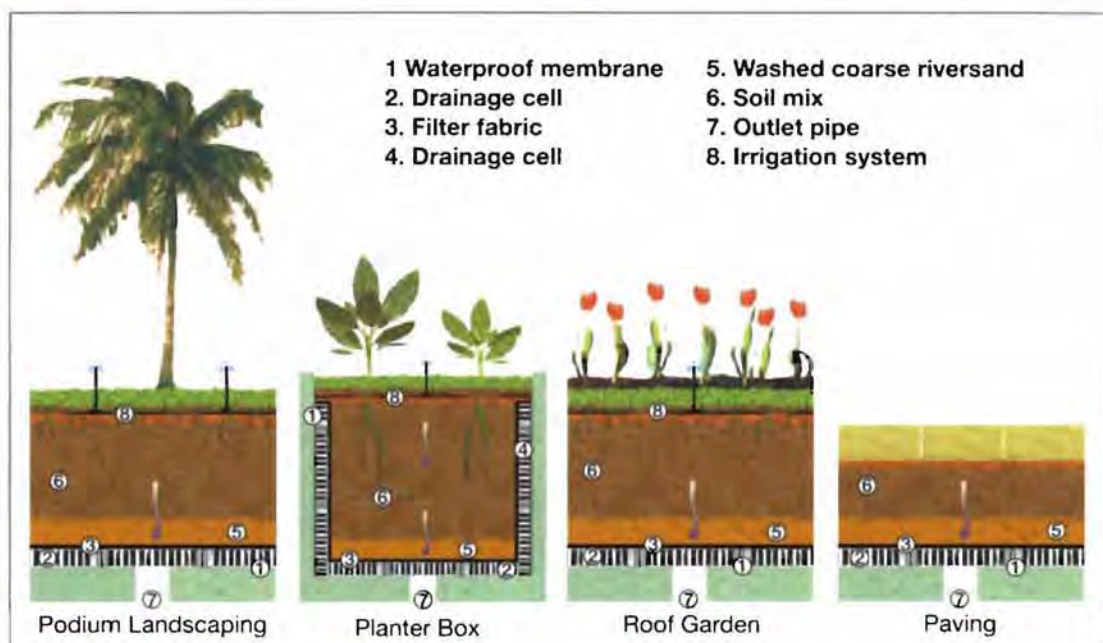
- Roof gardens
- Planter boxes
- Podiums
- Paving
- Retaining walls
- Civil works
- Golf courses
- Race courses
- Sports fields

FEATURES

- High compressive strength
- Open structure
- Durable
- Lightweight
- Supplied in 1m x 1m panels
- Totally inert
- Made from recycled plastics

BENEFITS

- Trafficable
- High flow rate
- Long life expectancy
- Easy to handle
- Quick to install
- Chemical and bacteria resistant
- Environmentally friendly



PRODUCT SPECIFICATIONS

INSTALLATION PROCEDURE

1 Place the drainage cell over the surface of the membrane and butt together (interlocking is not required). For additional protection a layer of 3mm protection board is recommended under the drainage cell.

2 Cut the drainage cell where required using a hand or circular saw.

3 Place the filter fabric over the drainage cell allowing for a 150mm overlap at each seam. Allow for additional fabric to cushion the edges of the drainage cell around the perimeter against the waterproof membrane and walls.

4 Install the drainage cell vertically to the walls of planter boxes if required and cover with filter fabric. Allow sufficient overlap to the horizontal sections.

5 Lay a 50-100mm layer of washed coarse river sand to act as a filtration layer over the fabric.

6 Lay the soil profile to the required depth. Please note that a minimum of 300mm of cover is required before allowing vehicles and machinery to traffic over the surface.

TECHNICAL DATA

30mm Drainage Cell

Depth:	30mm
Width:	500/1000mm
Length:	500/1000mm
Weight:	3kg/sqm
Surface void:	>65%
Volume void:	30l/sqm
Compressive strength:	>1500kPa
Drainage capacity:	>14400l/h/sqm
Service temperature:	- 30c + 120c
Material:	Recycled polypropylene

Filter Fabric

Thickness:	1.2mm
Width:	2.0/4.0m
Pore size:	.150mm
Permeability:	0.29cm/seg
Permittivity:	2.7 seg ⁻¹
Flow rate:	6925l/min/m ²
Material:	Polypropylene



Disclaimer

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate.

While every effort has been made to provide accurate and reliable information, it is up to the user of this brochure to verify all information, including designs it might be based upon, with an independent source. Application of this data must be made on the basis of responsible professional judgement.

Except when agreed to in working conditions of use, no warranty expressed or implied is made regarding the performance of any product, since the manner of use and handling is beyond our control.