

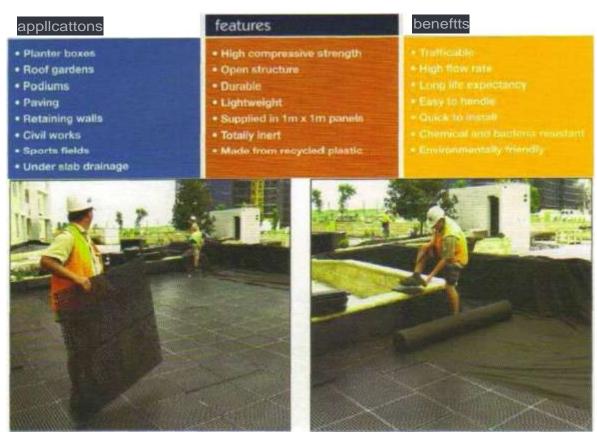


EcoClean Technology Sdn Bhd

EcoClean Ausdrain

30mm drainage cell

ECOCLEAN 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:



ECOCLEAN AUSDRAIN 30mm drainage cell is the most effective and efficient drainage solution for planter boxes, roof gardens, podium landscaped areas and most horizontal drainage applications.

It features high compressive strength and is lightweight reducing weight on the underlying structure by 98% compared to gravel. In addition, there is a 5:1 reduction in the drainage medium height enabling greater scope for soil depth and plantings

The drainage cell in combination with a geotextile fabric acts as the protection layer for the underlying

Waterproof membrane and provides ve11tilation for concrete slabs. The geotextile fabric is placed over the drainage cell and combined with a layer of washec river sand, filters the water eliminating staining caused by gravel, stone and sol.

ECOCLEAN AUSDRAIN 30mm drainage cell is supplied in easy to handle 1m x 1m panels making installation fast, saving valuable time and labour on large scalle projects. The panels can also be easily interlocked for vertical installation against planter boxes and retaining walls.

product specifications

technical data

30mm drainage cell

Compressive strength:

Depth: 30mm

 Width:
 500/IOOOmm

 Length:
 500/IOOOmm

 Weight::
 3kg/sqm

 Surface void:
 >65%

 Volume void:
 30litres/sqm

Drainage capacity: >14400 litres/h/sqm

Service temperature: -30c+120c

Material: Recycled polypropylene

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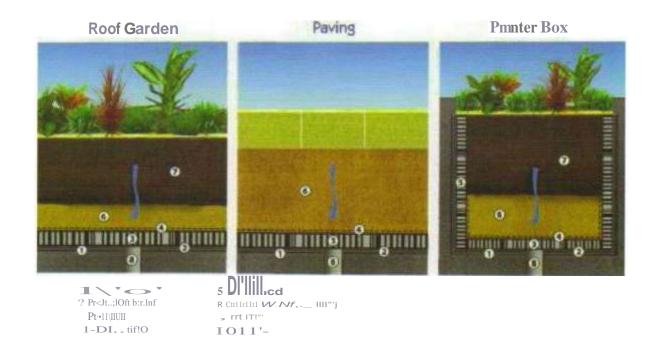
Filter fabric

Thickness: 1.2mm
Width: 2.0/4.0m
Poresize: .ISOmm
Permeability: 0.29cm/seg
Permitivity: 2.7 seg-'

Flow rate: 6925 litres/min/m² Material: Polypropylene

installation procedure

- 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.
- 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 the planter boxes if required and cover with filter fabric. Allow sufficient overlap to the horizontal sections.
- Lay a 50-100mm layer of coarse washed river sand to act as a filtration layer over the fabric.
- 6. Lay the soil profile to the required depth. Please note that a m1n1mum of 300mm of cover is required before allowing vehicles and machinery to traffic over the surface.



drainage cell installation



Drainage cell installation in progress.



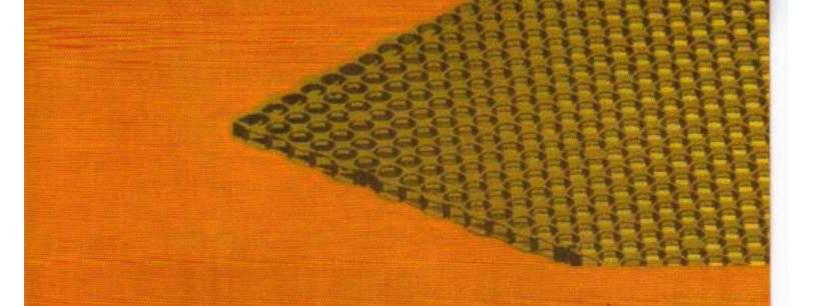
Construction of roof garden upon completion of drainage cell installation.

completed Ausdrain drainage cell projects:

Dubai Mall, United Arab Emirates



Ausdrain has supplied drainage cells for rooftop gardens on the buildings in Middle East development. Pictures show the rooftop garden and pavements of Dubai Mall with the world's largest tower, Burj Khalifa in the background. Ausdrain supplied both megaprojects for a total of approximately 50,000 sqm of green developments.



Manufactured from 100% environmentally friendly recycled plastics

For more in-depth information about EcoClean Ausdrain Systems and the products the company provides, please contact:



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