

DRAINAGE CELL



Geoguard
Geosynthetics

PRODUCT INTRODUCTION

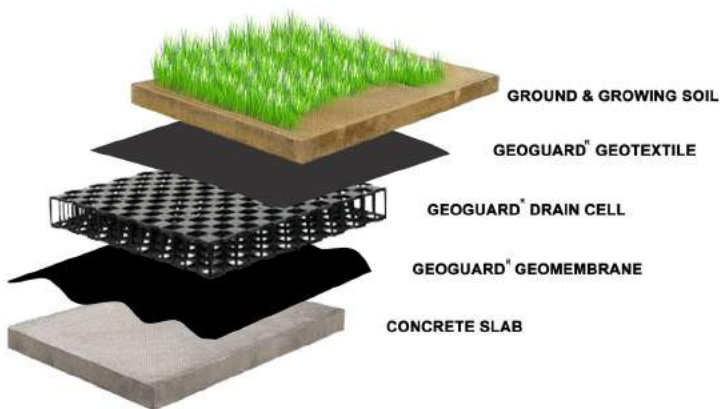
Drainage Cell have a flat back which is pressed against an underground structure such as a basement wall or subsurface footing. The pressure of backfilled soils holds the Drainage Cell in place. A filtration geotextile covers the drainage core.

The geotextile allows unrestricted flow of moisture into the core while it restricts the passing of soil particles which could contaminate and clog the core.

Since most of the soil exposed surface of a subsurface structure is covered with the Drainage Cell, hydrostatic pressure is virtually eliminated. Drainage Cell are very lightweight, easy to handle and easy to install. They require no special equipment or skilled labor.

DRAINAGE CELL APPLICATION

- ▶ Drainage Cell designed for vertical / horizontal applications at shallower depths where moderate compressive strength and flow capacity are adequate.



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DRAINAGE CELL TECHNICAL PARAMETER:

| | |
|-------------------------------------|--|
| Products Name | : Drainage Cell |
| Item No | : DC-50 |
| Size | : 500*500*30mm |
| Material | : HDPE (high density polyethylene) and Polypropylene |
| Thickness | : 30MM |
| Tensile loading | : >1000kpa |
| Drain capacity | : 25---30cm ³ /s |
| Storing capacity | : 2.6---4.0l/m ² |
| Surface Void Area | : >67% |
| Internal Void Area | : >95% |
| Biological (Chemical Resistance) | : Unaffected by moulds and algae and good resistance to oils ,acids , alkalis and bitumen |
| Service Temperature | : -20°C to 120°C |

* The information provided is for reference purpose only and is not intended as a warranty or guarantee . YJM assumes no liability in connection to this information usage. YJM reserves the right to change the specification without notice. Please contact YJM for the latest specification.

DRAINAGE CELL FEATURES:

Water Drainage

Drainage Cell can be used in combination with non-woven to get rid of the rain immediately and effectively relieve the roof's pressure caused by the instantaneous rainfall.

Ventilation

Special design helps the plant layer to have good air-ventilation ability at the bottom, improves ventilating situation and ensures the oxygen demand for root.

Environment Protection

It is 100% recyclable, won't cause secondary pollution to the environment.

Safety & Light Weight

Plastic storage and drainage plate's light weight will not enhance load for roof structure. it required no cranes or lifting equipment.

Water Storage

Absorb and store redundant moisture leaking from the planting layer and supply needed moisture for the plant when the soil lacking of water to improve plant's drought-resistance

Heat Insulation

The storage place for the Drainage Cell is at the bottom of the plant, helping the plant to stop from the sun direct illuminating and form a cool space, which can absorb heat from structure layer to form air troposphere.

Low Price & Quick Installation

Ultra-light weight, easy installation, quick construction, low construction cost and simple maintenance.