

DESCRIPTION

Imprex Draincell is a light weight, high strength modular drainage cell designed primarily for sub-surface drainage. It is manufactured from high strength recycled polyester and used in the construction of roof gardens, plaza decks, basements, concealed drains, planter boxes and sportfields.

It is designed to withstand heavy loads imposed by mechanical equipments. Available in 30mm high modules. Imprex Draincell modules interlock in the same plane and at right angles to one another.

APPLICATIONS

- Landscape decks and planter boxes
- Sportfields and golf courses
- Road edged drains
- Retaining / basement walls
- Sub-surfaced Drainage Systems
- Water Sensitive Urban Designs (WSUD)
- Plaza decks, balconies and pool sides
- Roof gardens
- Concealed drains
- Storm drains
- Ground Water Management

FEATURES

- Interlocking cellular drainage modules.
- Compressive strength of atleast 140 tonnes/m²
- Can accommodate both static and dynamic loads during and after installation.
- Good resistance to petroleum based chemicals and naturally occurring soil chemicals.
- Manufactured from recycled plastics hence eco-friendly.
- Light weight @ 3kg/m² compared to 250 kg/m² of gravel for the same effective drainage and can reduce slab loads.
- No need for use of heavy machinery or skilled labour as it is light and simple to handle and install.
- Maintains actual void size for effective drainage after backfill and compaction. Creates an parch water table, providing air flow for ideal moist conditions for plant growth.
- Cells can easily to cut to required size.

SPECIFICATIONS

PROPERTY	VALUE
Material	Recycled polypropylene
Dimensions	500 mm x 250 mm
Height	30mm
Weight	2.5-3 kg/sqm
Surface Void Area	67%
Internal Void Area	92%
Compressive Strength	140 tons/sqm
Drainage Capacity @ 1 % Hydraulic	16.5 l/m.s

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