

# VersiCell®

Sub-Surface  
Drainage Modules



035 - 005  
100% recycled  
materials



## Enhancing Our Environment

VersiCell® sub-surface drainage modules enhance our environment by providing an effective alternative to gravel aggregates used in conventional drainage systems.



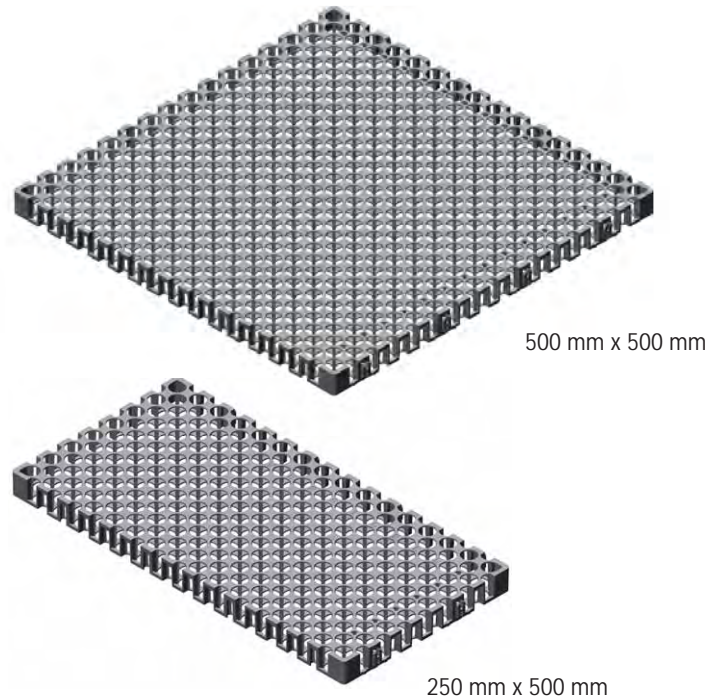
# VersiCell®

VersiCell® offers architects and developers greater design flexibility and is widely applied in the landscape, building and construction industries.

VersiCell® is a lightweight and high strength structural module manufactured from 100% recycled plastic used for sub-surface drainage.

In a green roof application, VersiCell® provides a drainage cavity and an additional protection layer for the waterproofing membrane. It eliminates the need for a gravel course.

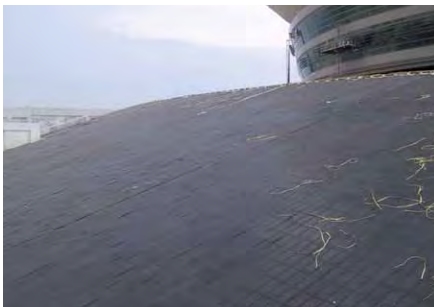
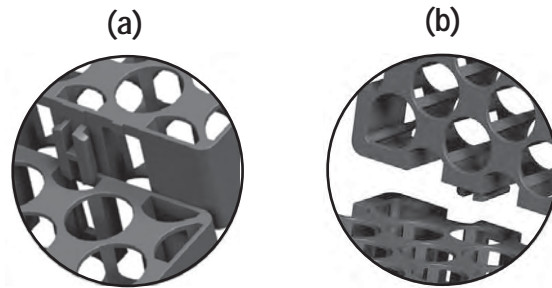
VersiCell® modules are easily interlocked in the same plane (a) or at right angles (b) to one another. The modules may also be butted together without interlocking.

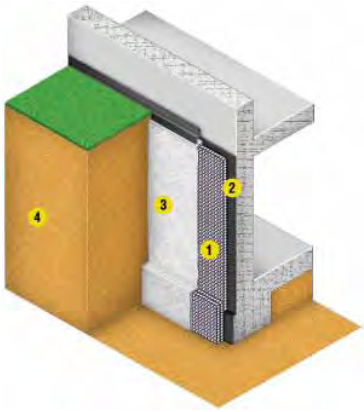


## Applications

Typical areas of applications include:

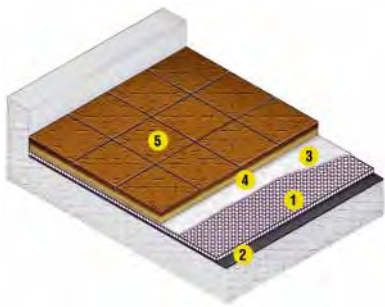
- Green roof and landscaped decks
- Paved areas and roadways
- Sports fields
- Retaining/basement walls
- Pond filtration
- Bridge abutments
- Tunnels and landfills
- Golf courses





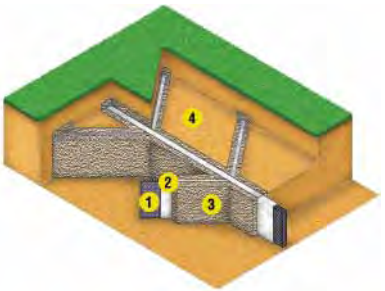
1. VersiCell®
2. Waterproofing membrane
3. Geotextile
4. Soil

### Basement Wall



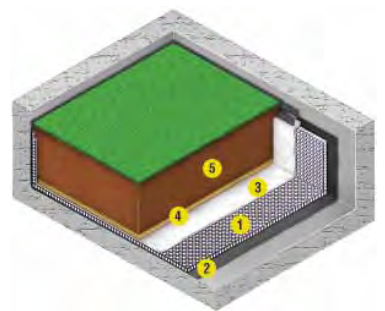
1. VersiCell®
2. Waterproofing membrane
3. Geotextile
4. Sand
5. Pavers

### Plaza Deck



1. VersiCell®
2. Geotextile
3. Coarse Sand
4. Soil

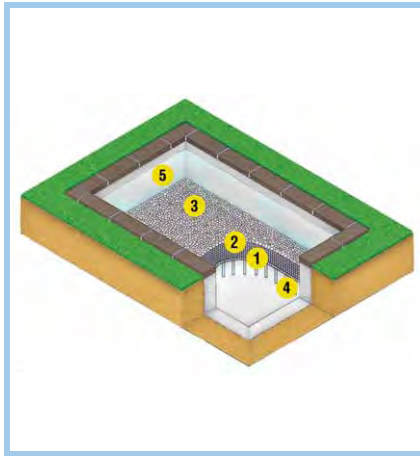
### Sports Field



1. VersiCell®
2. Waterproofing membrane
3. Geotextile
4. Coarse sand
5. Planting soil

### Landscape Deck





1. VersiCell®
2. Geomesh
3. Pebbles
4. Pipe support
5. Waterproofing membrane

## Pond Filtration



## Advantages

### Design Flexibility

Greater design flexibility as the modules may be interlocked in one plane or at right angles to form continuous large panels, conduits or tanks.

### Easy Installation

Modules are easy to join into large or long pre-assembled panels allowing for rapid installation and minimising on-site disruption.

### Lightweight and High Strength

Honeycomb design gives the modules high compressive strength whilst remaining lightweight.

### Durable

The modules are resistant to biological attack and a wide range of chemicals.

### Efficient

Open surface design and high volume internal void facilitates extremely efficient drainage whilst a narrow profile translates to greater soil depth in planter boxes that allows a wide variety of landscape plants to be utilised.

### Environmentally Friendly

VersiCell® is manufactured from high strength 100% recycled plastics.

## Specifications

**Size** 500 mm x 500 mm\*

### Height

VersiCell® 3050 30 mm

VersiCell® 2050 20 mm

### Weight

VersiCell® 3050 ~ 2.5 kg/m<sup>2</sup>

VersiCell® 2050 ~ 2 kg/m<sup>2</sup>

### Material

Polypropylene

### Colour

Black

### Compressive Strength

min. 800 kN/m<sup>2</sup>

### Discharge Capacity @ 1% gradient

VersiCell® 3050 >16.5 l/m.s

VersiCell® 2050 >13.0 l/m.s

### Surface Void Area

> 62%

### Internal Void Area

> 95%

**Biological/Chemical Resistance** Unaffected by moulds and algae. Resistant to oils, acids, alkalis and bitumen.

*\*also available in 500 mm x 250 mm*

*VersiCell® is also known as Nordrain® and Nordrain® V. International patents pending.*

**Note:** The information provided in this brochure is based on current knowledge and experience and does not infer any legally binding assurance or warranty, expressed or implied. Intending purchasers should verify whether any changes to specifications or applications or otherwise have been made since this literature was issued. The products in this brochure are manufactured using specified recycled plastics under detailed quality control standards and procedures. Factors including source of raw material and manufacturing processes may impact slightly on the strength of the modules.



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