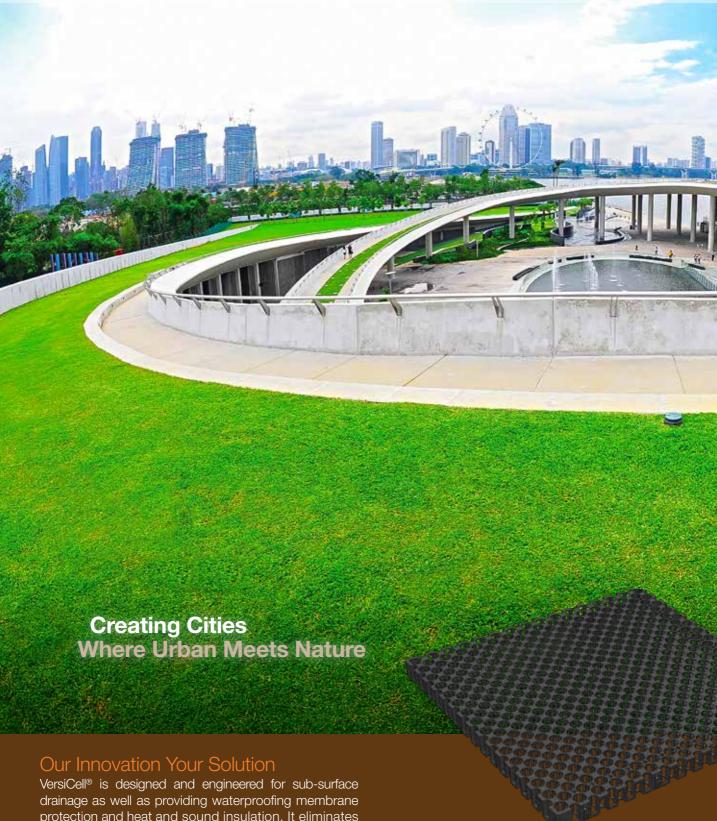
VersiCell® Sub-Surface Drainage Module





VersiCell® is designed and engineered for sub-surface drainage as well as providing waterproofing membrane protection and heat and sound insulation. It eliminates the use of heavy gravel aggregates for sub-surface drainage and screeds for waterproofing membrane protection in planter boxes and roof gardens. It is applied also on retaining walls to prevent build up of hydrostatic pressure.



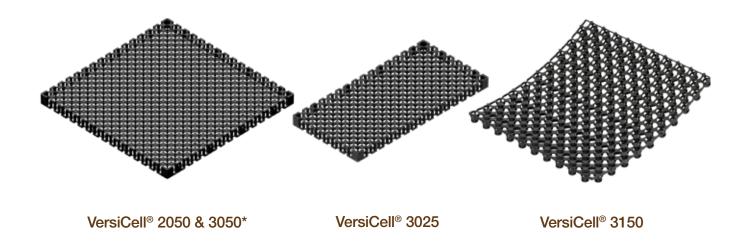






VersiCell®

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VersiCell® rigid or flexible modules, is a lightweight high-strength drainage cell manufactured from polypropylene.

VersiCell® has a narrow profile and an open surface design with high volume internal void that enables rapid capture and transport of high water volumes.

VersiCell® is only approximately 2% of the aggregate weight of gravel for equivalent drainage discharge capacity. Its narrow profile makes a greater soil depth possible in planter beds and thus allows a wider variety of landscape plants to be used.

VersiCell® modules are easy to install by interlocking one to another either horizontally or at right angles or simply by abutting.

VersiCell® 3150 can flex and conform to curved surfaces and their ability to nest and stack reduces on-site storage and container space requirements and transportation costs.

Applicable Areas

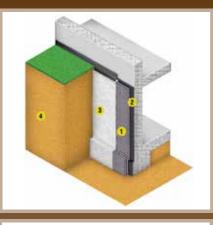
- Landscaped decks
- Paved areas and roadways
- Sports fields
- Retaining/basement walls
- Pond filter systems
- Bridge abutments
- Tunnels and landfills
- Golf courses
- Planter boxes







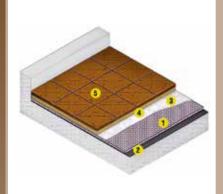




1. VersiCell®

- 2. Waterproofing membrane
- 3. Geotextile
- 4. Soil

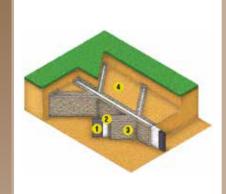
Basement Wall



1. VersiCell®

- 2. Waterproofing membrane
- 3. Geotextile
- 4. Sand
- 5. Pavers

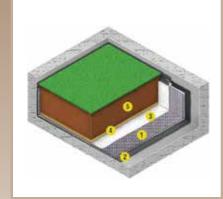
Plaza Deck



1. VersiCell®

- 2. Geotextile
- 3. Coarse Sand
- 4. Soil

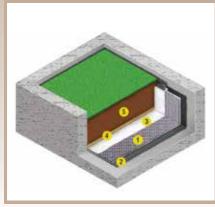
Sports Field



1. VersiCell®

- 2. Waterproofing membrane
- 3. Geotextile
- 4. Coarse sand
- 5. Planting soil

Landscape Deck



1. VersiCell®

- 2. Waterproofing membrane
- 3. Geotextile
- 4. Coarse sand
- 5. Planting soil

Planter Box











Technical Specifications

Material	PP
Size	500 mm x 500 mm*
Height	
VersiCell® 3150	30 mm
VersiCell® 3050	30 mm
VersiCell® 3025	30 mm
VersiCell [®] 2050	20 mm
Weight	
VersiCell® 3150	$\sim 2.0 \text{ kg/m}^2$
VersiCell® 3050	$\sim 2.5 \text{ kg/m}^2$
VersiCell® 3025	~ 2.5 kg/m ²
VersiCell® 2050	$\sim 2.0 \text{ kg/m}^2$
Colour	Black
Compressive Strength	
VersiCell® 3150	max. 600 kN/m ²
VersiCell® 3050	max. 800 kN/m ²
VersiCell® 3025	max. 800 kN/m ²
VersiCell® 2050	max. 800 kN/m ²
Discharge Capacity @ 1%	6 gradient
VersiCell® 3150	~16.5 l/m.s
VersiCell® 3050	~16.5 l/m.s
VersiCell® 3025	~16.5 l/m.s
VersiCell® 2050	~13.0 l/m.s
Surface Void Area	~62%
Internal Void Area	~95%
Biological / Chemical	Unaffected by moulds and algae
Resistance	Good resistance to alkali and bitumen

^{*}also available in 500 mm x 250 mm for VersiCell® 3025

Advantages

Design Flexibility

Modules may be interlocked at right angles to form conduits or tanks or in a single plane to form continuous large panels.

Easy Installation

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

Able to flex and bend as well as nest

Ability to flex allows VersiCell® 3150 to be used against curved surfaces. On-site storage and container space requirements and transportation costs is reduced by ability to nest and stack.

Lightweight and High Strength

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

Efficient

Open surface design and high volume internal void facilitates efficient drainage. A narrow module profile provides greater soil depth in planter boxes allowing a wider variety of plants to be used.

Sustainable and Environmentally Friendly

VersiCell® is made from polypropylene and support Green Label Certification.



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