

Versicell®

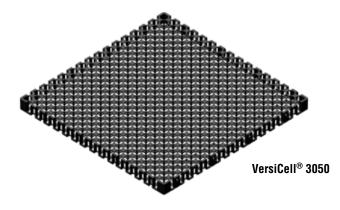
Sub-Surface Drainage Modules

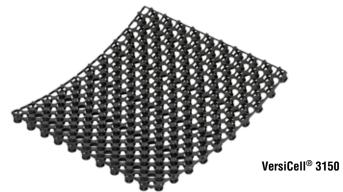


Solutions for Sustainable Urban Development

VersiCell®

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





VersiCell® rigid or flexible modules, is a lightweight high-strength drainage cell manufactured from 100% recycled plastics.

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 utilised.

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

VersiCell® modules 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

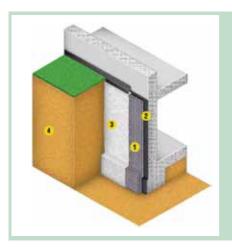








VersiCell® has international patents pending

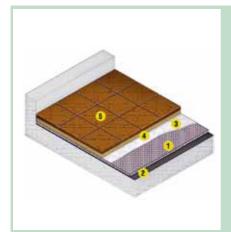


1. VersiCell®

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

Basement Wall



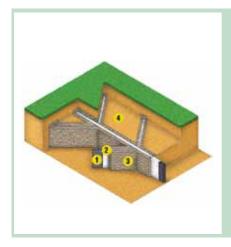


1. VersiCell®

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

Plaza Deck



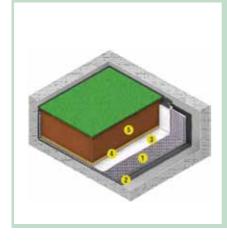


1. VersiCell®

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

Sports Field



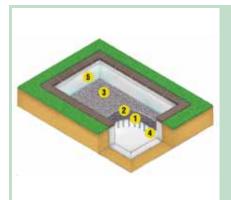


1. VersiCell®

- 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

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 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 halfed 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 100% recycled materials and support green label certification.

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

Specifications

Size	500mm x 500mm*
Height	
VersiCell® 3150	30mm
VersiCell® 3050	30mm
VersiCell® 2050	20mm
Weight	
VersiCell® 3150	~ 2.2kg/m ²
VersiCell® 3050	~ 2.5kg/m ²
VersiCell® 2050	~ 2kg/m²
Material	Recycled polypropylene
Colour	Black
Compressive Strength	
VersiCell® 3150	max. 600kN/m ²
VersiCell® 3050	max. 800kN/m ²
VersiCell® 2050	max. 800kN/m ²
Discharge Capacity @ 1°	% gradient
VersiCell® 3150	~16.5I/m.s
VersiCell® 3050	~16.5l/m.s
VersiCell® 2050	~13.0l/m.s

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

~95%

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 the issue of this literature. Environmental-friendly recycled materials are used wherever possible and physical product properties including colour may differ due to source of raw materials used. Colour may also fade due to UV exposure. All components of the product are designed for specific application, design calculations and any variation and/or deviation therefrom shall be the responsibility of the Specifier and/or User.









Distributed by:

Internal Void Area

^{*}also available in 500 mm x 250 mm for VersiCell® 3050