VersiFlex®

100% AUSTRALIAN MADE

Flexible Drainage Modules

VersiFlex®, manufactured in Australia, is an interlocking drainage cell designed for use in planter boxes, roof gardens and retaining walls. VersiFlex® offers architects and developers extensive design flexibility and has a wide range of applications in the landscape, building and construction industries.

VersiFlex® modules are 30 mm high and easy to install, by interlocking in the same plane, to one another, or by butting together without interlocking.

VersiFlex® has a narrow-profile, open surface design and high internal void volume enabling the rapid capture and transport of high water volumes and resultant efficient drainage.

VersiFlex® conforms to uneven and curved surfaces such as retaining walls.

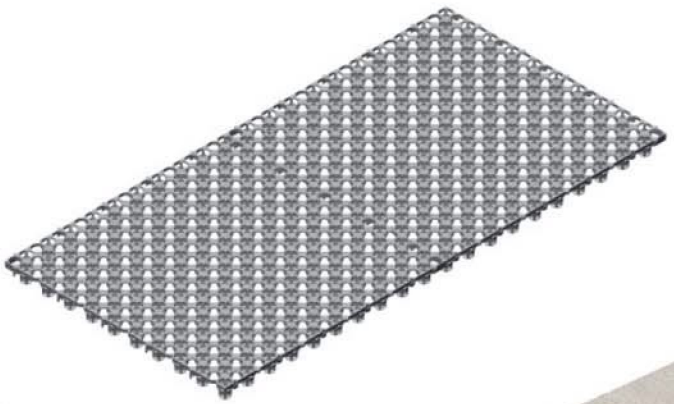
VersiFlex® acts as a protection layer over waterproofing membranes, eliminating the need for protection screeds, and also creates a thermal insulation barrier.

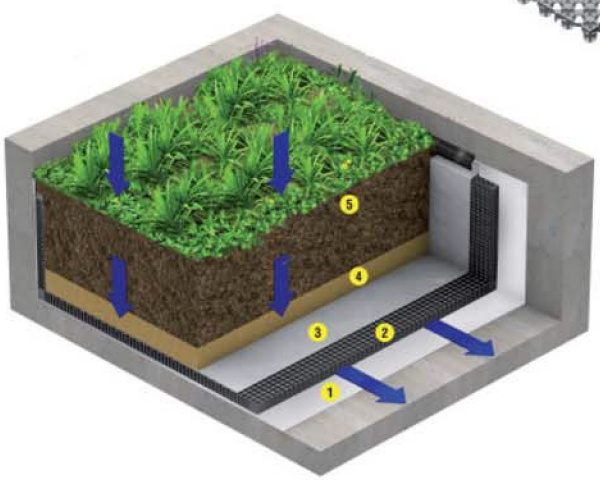
VersiFlex® stackable and nestable design reduces on-site storage space requirements and transportation costs compared to competitive products.

Applications

Typical areas of application include:

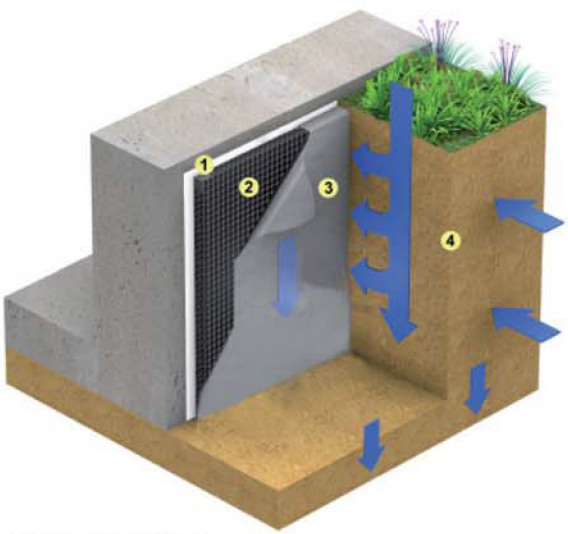
- Planter boxes
- Roof gardens
- Landscaped decks
- Retaining and basement walls





Planter Box and Landscape Deck

1. Waterproof Membrane
2. **VersiFlex®**
3. Geotextile
4. Coarse Sand
5. Growth Media



Basement Wall

1. Waterproof Membrane
2. **VersiFlex®**
3. Geotextile
4. Backfill Media

Advantages

Design Flexibility

The modules may be interlocked in one plane to form large panels or butted together, enabling greater design flexibility.

Lightweight and High Strength

Structurally re-inforced cone design results in a lightweight high compressive strength structure that enables usage in planter boxes, landscaped deck areas and on retaining walls.

Efficient

High surface void area and internal void volume results in efficient drainage in planter boxes, landscaped deck areas and on retaining walls.

Easy Installation

Large easy-to-join modules or pre-assembled panels allow rapid installation and minimise on-site disruption.

Storage and Handling

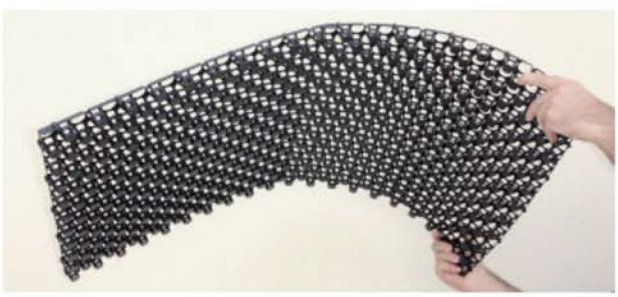
Stackable and nestable design halves on site storage space requirements and transportation costs.

Durable

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

Environmentally Friendly

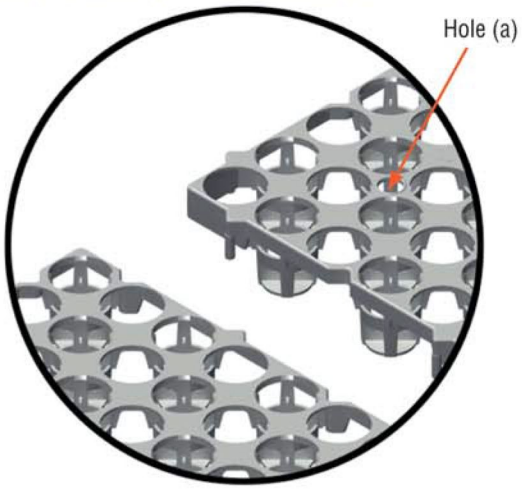
VersiFlex® is manufactured from high strength recycled plastics.



VersiFlex® is flexible and conforms to uneven and curved surfaces.

Please Note: As a precautionery measure, we recommend a protection board to be placed over the waterproof membrane before any type of drainage cell is applied

Interlocking Procedures



To interlock modules position the first module with the hole (a) in the top left corner on a flat surface. Select a second module orientated with the hole in the top left corner and interlock it with the first module.

Specifications

Module Size: 500 mm (L) x 500 mm (W) x 30 mm (H)

Pieces per sq.m.: 4

Weight: < 2.2 kg/m^2

Material: Polypropylene

Colour: Black

Compressive Strength: < 690 kN/m^2 (69 t/m^2)

Surface Void Area: < 64%

Internal Void Volume: < 93%

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

Service Temperature: -30°C to 120°C

Geotextile or Coreflute should be used as a protection layer over soft flexible waterproofing membranes prior to installing VersiFlex®.

International patents pending

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