



ROOFING

SikaRoof® VersiCell®

Sub-Surface Drainage Modules for Drainage of Landscape Features



BUILDING TRUST



SikaRoof® VersiCell®

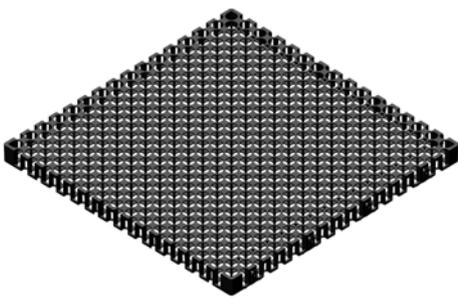
GENERAL SYSTEM INFORMATION / OVERVIEW

SikaRoof® VersiCell® is a lightweight, high-strength drainage module manufactured from recycled polypropylene (PP), with a thickness of 20 mm or 30 mm, providing large internal void volumes for increased drainage discharge capacity.

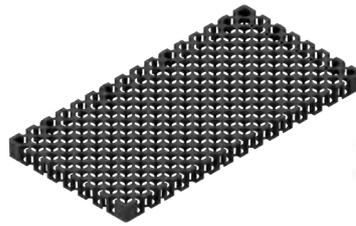
SikaRoof® VersiCell® forms a hollow space between the structural element and the planting media, providing excellent drainage to prevent flooding of the landscape features.

SikaRoof® VersiCell® is only approximately 2% of the aggregate weight of gravel for equivalent drainage discharge capacity. Its narrow profile creates greater soil depth in planter beds, allowing a wider variety of landscape plants to be used. The modules are easy to install by interlocking one to another either horizontally or at right angles or simply by abutting.

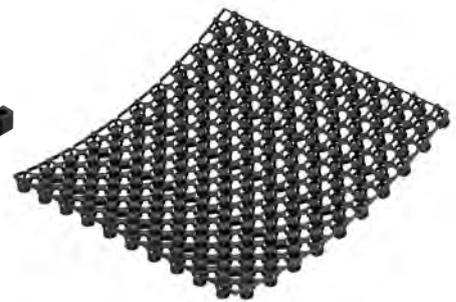
SikaRoof® VersiCell® 3150 can flex and conform to curved surfaces and their ability to nest and stack reduces on-site storage and container space requirements and transportation costs.



SikaRoof® VersiCell® 2050 & 3050*



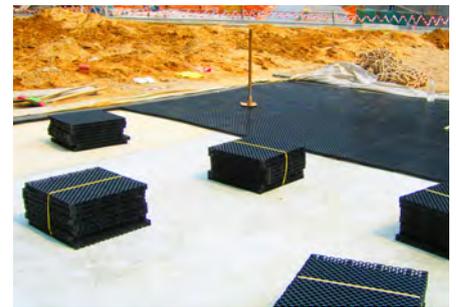
SikaRoof® VersiCell® 3025

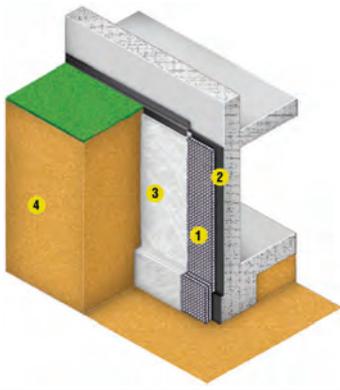


SikaRoof® VersiCell® 3150

APPLICABLE AREAS

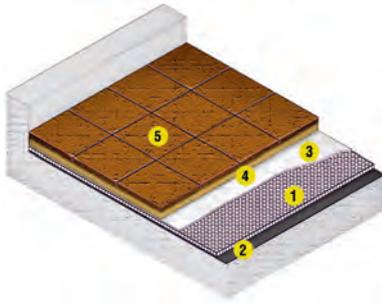
- Landscape decks
- Paved areas and roadways
- Sports fields
- Retaining/basement walls
- Pond filter systems
- Bridge abutments
- Tunnels and landfills
- Planter boxes





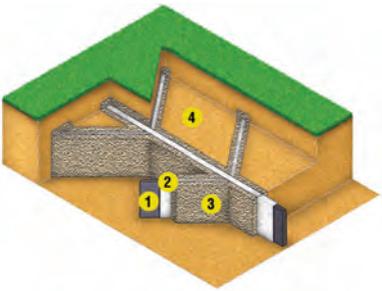
1. SikaRoof® VersiCell®
2. Waterproofing membrane
3. Geotextile
4. Soil

Basement Wall



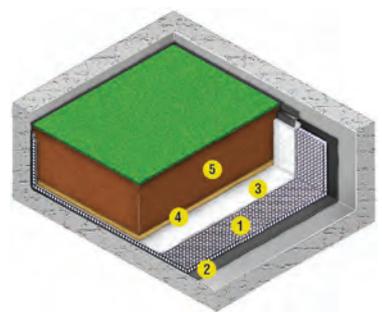
1. SikaRoof® VersiCell®
2. Waterproofing membrane
3. Geotextile
4. Sand
5. Pavers

Plaza Deck



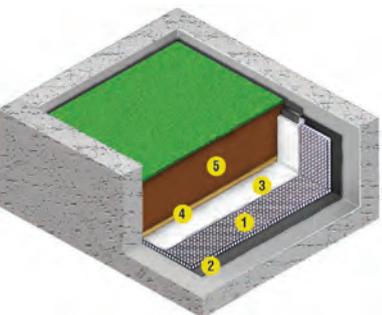
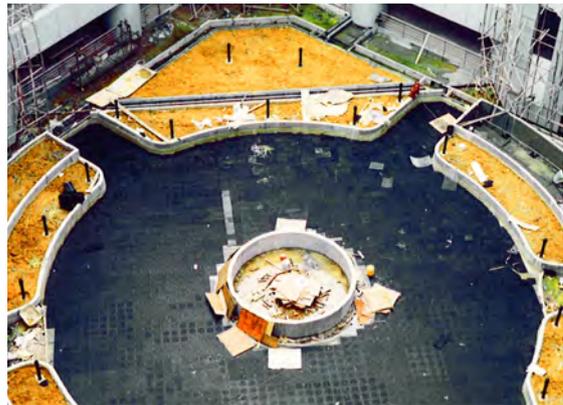
1. SikaRoof® VersiCell®
2. Geotextile
3. Coarse Sand
4. Soil

Sports Field



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

Landscape Deck



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

Planter Box



SikaRoof® VersiCell®

BASIC DESIGN SPECIFICATION

Technical Specification	Data
Material	PP
Size	500 x 500 mm*
Weight VersiCell® 3150 VersiCell® 3050 VersiCell® 3025 VersiCell® 2050	~ 2.0 kg/m ² ~ 2.5 kg/m ² ~ 2.5 kg/m ² ~ 2.0 kg/m ²
Colour	Black
Compressive Strength VersiCell® 3150 VersiCell® 3050 VersiCell® 3025 VersiCell® 2050	max. 600 kN/m ² max. 800 kN/m ² max. 800 kN/m ² max. 800 kN/m ²
Discharge Capacity @ 1% gradient VersiCell® 3150 VersiCell® 3050 VersiCell® 3025 VersiCell® 2050	~16.5 l/m.s ~16.5 l/m.s ~16.5 l/m.s ~13.0 l/m.s
Surface Void Area	~62%
Internal Void Area	~95%
Biological / Chemical Resistance	Unaffected by moulds and algae Good resistance to alkali and bitumen

*also available in 500 mm x 250 mm or 1000 mm x 500 mm



SikaRoof® VersiCell®

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 quick installation, minimising on-site disruption.

MULTI-DIRECTIONAL INTERLOCKING CLIPS

- Adjacent modules are secured together without the need to orientate in any particular direction.

FLEX, BEND, AND NEST

- SikaRoof® VersiCell® 3150's ability to flex or bend allows it to be used against curved surfaces. Its stackable and nestable features allow it to be easily stored on-site, reducing container space requirements and transportation costs.

LIGHTWEIGHT AND HIGH STRENGTH

- Module's honeycomb design features contribute to its high compressive strength whilst remaining lightweight.

EFFICIENT DRAINAGE

- Module's 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

- SikaRoof® VersiCell® is made from recycled polypropylene and supports Singapore Green Building Certification.



GLOBAL BUT LOCAL PARTNERSHIP



FOR MORE PRODUCT INFORMATION:



WE ARE SIKA

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector and the motor vehicle industry. Sika's product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, and industrial flooring, as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply.
Please consult the most current local Product Data Sheet
prior to any use.



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