

Bluebay Underground Drainage Systems (SUDS)

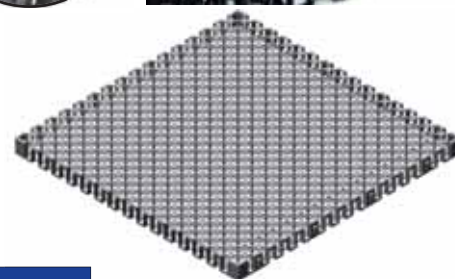
VersiCell is a tailor-made sustainable drainage solution which is a modular, interlocking sub-soil drainage system. VersiCell is a lightweight, high strength, plastic moulded structural panel that provides extremely efficient drainage due to a combination of substantial void areas and exceptional flow rate.

VersiCell system is simple to install and may be used for infiltration and attenuation control. The integral jointing clip ensures that there is a positive interlocking action between all panels whether used for sheet or tank constructions.



How VersiCell Works

Surging water is controlled when it enters the interlocking panel structure and is temporarily stored. When a permeable geotextile is used to envelope the panel structure, the stored water will gradually infiltrate into the surrounding ground, subject to soil permeability. If an impermeable geomembrane is used, the stored water will remain within the panel, structure until the outflow control is activated. modules and half modules.



Applications

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

Advantages

- Design Flexibility - Greater design flexibility as the modules may be interlocked to form continuous large panels, conduits and tanks.
- Easy Installation - Large easy-to-join modules or pre-assembled panels allow rapid installation.
- Lightweight and High Strength
- Durable - modules are resistant to biological attack
- Efficient - High surface and internal void volume results in efficient drainage

Bluebay NON WOVEN & Superior NW geotextiles can be used with this SUDS system

Technical Data

VersiCell	Size
VersiCell 3050	500 x 500 x 30mm
VersiCell 3025	500 x 250 x 30mm
VersiCell 2050	500 x 500 x 20mm

Bluebay Geogrids

Bluebay Biaxial geogrids can solve pavement problems by providing omni-axial reinforcement to granular sub-bases, capping layers & railway ballasts in areas of weak or variable soils. E-grid Biaxial geogrids can be employed in single or multi-layers.

The tough platform created provides tremendous load dispersal, allowing previously weak soils to be reclaimed for development. Biaxial geogrids are available in standard and large aperture sizes to suit any fill material.

Applications

- Ground Stabilisation:
Under roads,
Railways
Ports & Paved Areas

Technical Data

Product	Size
Geogrid 20/20	4m x 50m
Geogrid 30/30	4m x 50m
Geogrid 40/40	4m x 50m

Other sizes are available upon request



Bluebay Cellular Confinement Systems

A three dimensional light weight and flexible mat made of high density polypropylene strips, ultrasonically bonded to form a honeycomb system.

A geosynthetic product that is highly effective in solving many problems associated with drainage, soil stability, and erosion control.

Available in four depths, 75mm, 100mm, 150mm & 200mm.

Applications

- Channel Protection
- Slope Protection
- Road Base Stabilisation
- Retaining Walls

