

Stormwater Management



035 - 005
100% recycled
materials



Stormwater Management

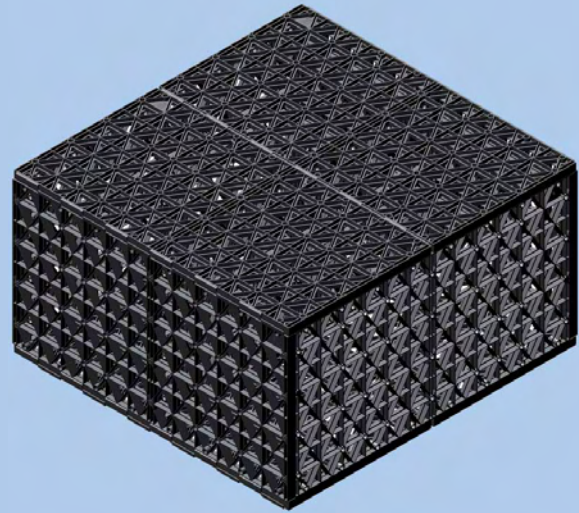
VersiTank® offers architects, engineers and developers an efficient and cost effective sub-surface alternative to conventional methods for stormwater management.



The expansion of urban and industrial development has generated large areas of impermeable surfaces such as roofs, car parks, playgrounds and roads. As a consequence, stormwater run-off increases substantially resulting in flooding and the discharge of pollutants into streams, rivers, ocean outlets and storage systems.

Conventional drainage systems involve conveying rainwater run-off from urban areas via channels and pipe systems to storage or discharge outlet points. These drainage systems require high installation and maintenance costs and are neither efficient nor effective methods of dealing with high volumes of polluted water discharging from impervious surfaces.





VersiTank® is a high strength modular stormwater infiltration or storage tank made from recycled polypropylene material.

VersiTank® units have the capacity to cater for stormwater run-off from individual houses to the largest commercial and industrial developments and can be tailored to suit specific requirements of each site.

VersiTank® units are easily assembled on-site by clipping together lightweight, interlocking panels. Assembled units have high compressive strength and can be interlocked to further ensure that the system remains stable under trafficable or high weight bearing load areas.

Assembled **VersiTank®** units, when enveloped with a permeable geotextile or filter fabric, allow stormwater stored within the tank void to be discharged into the

surrounding soil and via controlled release to connected stormwater pipes. The inherent run-off and soil infiltration rates must be determined to calculate the number of **VersiTank®** units required.

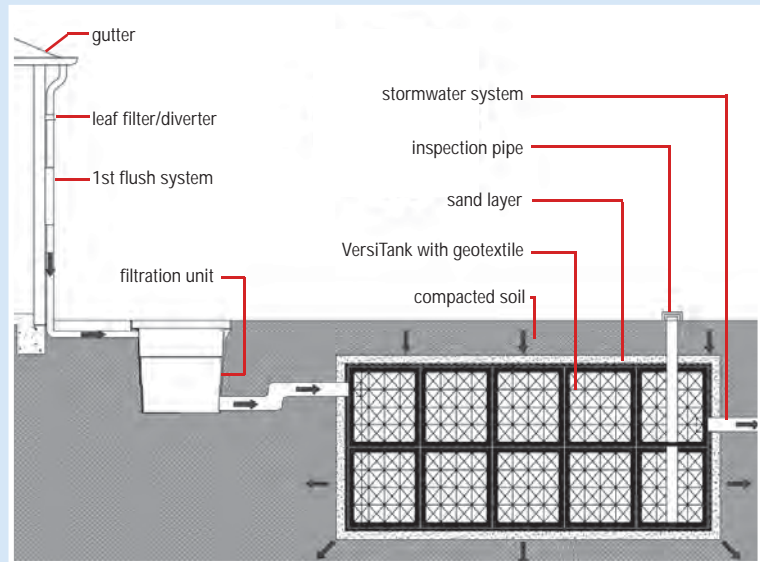
VersiTank® units may be enveloped in an impervious membrane to allow for the retention or temporary storage of stormwater, where soil conditions do not permit discharge into the surrounding soil. Stored water is re-used or released, subject to local environmental regulations, via a connected stormwater pipe incorporating a flow control valve.

VersiTank® units must be installed to engineering specifications and must be used in conjunction with an in-line proprietary leaf and silt trap system or other recommended filtering units.



Advantages

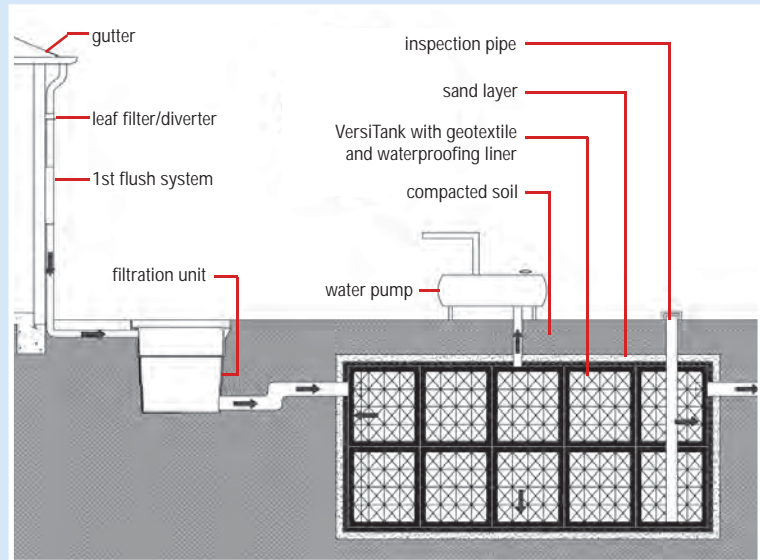
- High compressive strength allows use under trafficable areas
- Interlocks vertically and horizontally for maximum stability
- Less costly than bio-swales, retention ponds, concrete and metal storage systems
- Caters for all volume requirements
- Easy assembly of panels and installation of units
- No surface water storage hazards



VersiTank Infiltration System

Specifications

Refer to individual product brochures



VersiTank Retention System

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 this literature was issued. The products in this brochure are manufactured using specified recycled plastics under detailed quality control standards and procedures. Factors including source of raw material and manufacturing processes may impact slightly on the strength of the modules.



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