

TENDER SPECIFICATION SHEET

FRIIVA™ FLEXATANK FFT 844

Applications:

Rainwater infiltration (Drainage) and Retention (Harvesting).

Friiva™ FlexaTank stormwater system offers architects, engineers, and property owners an efficient and cost-effective method to reduce stormwater run-off in urban environments.

Friiva™ FlexaTank stormwater system is a modular system that allow sub-surface installation for storm water drainage though sub-surface infiltration or as an onsite storage tank for rainwater harvesting and detention from roofs and other impermeable surfaces.

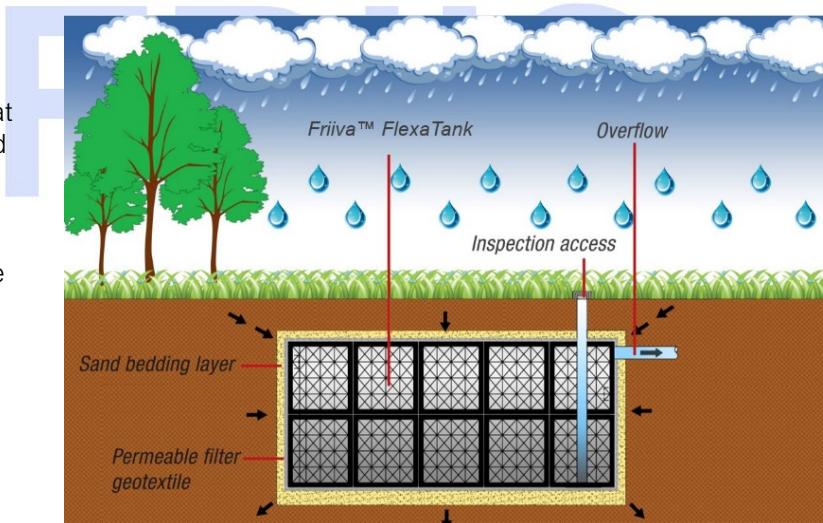
Typically used in residential homes, parking areas and driveways, playgrounds, sports fields, golf courses,

Friiva™ FlexaTank infiltration systems

Friiva™ FlexaTank units enveloped with a filter fabric, allows rainwater to percolate through the filter into the tank below whilst ensuring that solids, including mud and clay, are filtered, and prevented from entering the tank.

Slow percolation of rainwater from the surface into the tank and then slowly infiltrating into the immediate substrate allows stormwater to be filtered at-source and ensures that clear and clean water is eventually discharged into drainage networks.

Residence time of run-off is prolonged by this slow process, minimizing downstream impact from high volumes of water in torrential downpours.

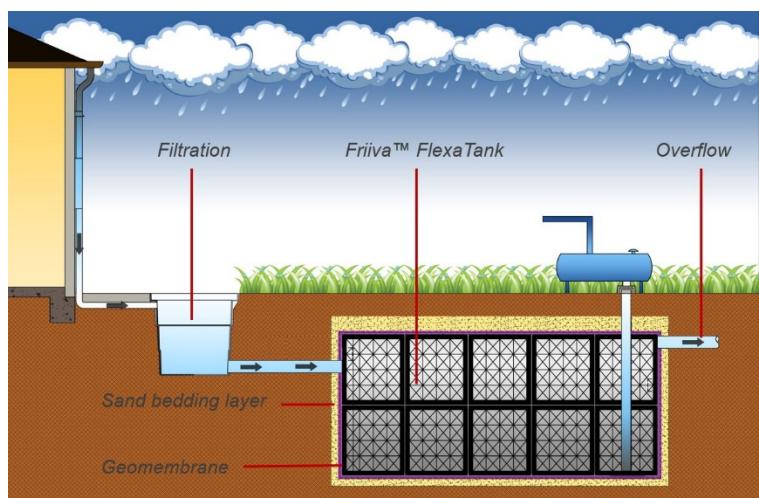


Friiva™ FlexaTank retention systems

Friiva™ FlexaTank units installed with an impermeable shell membrane, enables percolated water and filtered rainwater channelled via pipes to be retained and stored.

Installation of a water pump enables the retained water to be utilized for general washing and irrigation of landscaped areas or flushing of toilets when connected to a filter system.

Retention of the water also prolongs the residence time of run-off, helping to mitigate high volumes of water in torrential downpours and minimize downstream impact.



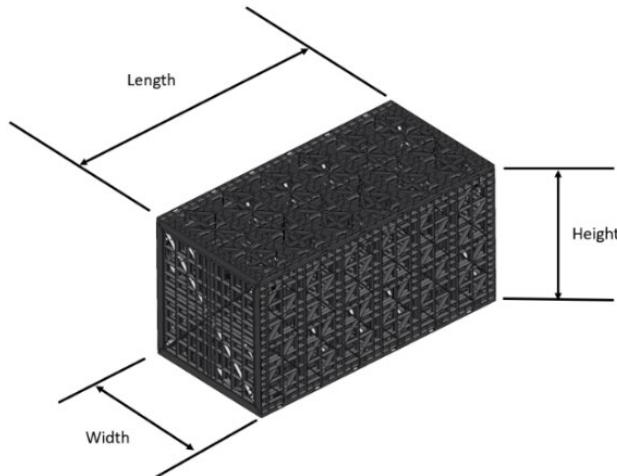
The Friiva™ FlexaTank construction.

Friiva™ FlexaTank system is a modular system constructed of individual rectangular heavy-duty plastic modules made Polypropylene, which is resistant to most molds, algae, soil-borne chemicals, bacteria, and chemicals.

Friiva™ FlexaTank FFT 844 module technical data.

Volume	0.125 m ³
Tanks per m ³	8
Surface area	1.52 m ²
Surface void area	~38 %
Internal void	~93 %
Max. load – unconfined*	
3 Stabilizers	18.0 t/m ²
4 Stabilizers	23.0 t/m ²
5 Stabilizers	27.0 t/m ²
Dimensions	
Length	792 mm
Width	390 mm
Height	410 mm
Weight per tank	
3 Stabilizers	~6.7 kg
4 Stabilizers	~7.3 kg
5 Stabilizers	~8.0 kg
Material	Black Polypropylene
Biological/Chemical resistance	Unaffected by molds and algae, soil-borne chemicals, bacteria, and chemicals

* Safety factor of 1.5 included.



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