

ProTank® Modular Tank

Superior Stormwater Management

Designed to collect water at its source



Product Information

ProTank® Modular Tank System is a versatile subsurface water management structure with unique features designed to optimise value for your next project. Using intelligent geometry driven by fundamental engineering principles ProTank® offers confidence to the engineer, installer and asset owner alike.

Whether you're dealing with stormwater, wastewater or landscaping applications the high porosity and fully configurable ProTank® System is the ideal product to meet your needs. With options for integrated filtration, inspection and cleaning facilities and uncomplicated construction methods ProTank® is the obvious first choice.

Applications

- Trafficable and non-trafficable
- New infrastructure and retro-fit
- Stormwater infiltration, detention or retention
- Greywater storage
- Effluent disposal (leach drains)
- Wicking beds (self-watering gardens)

ProTank® Modular Tank

Features

Intelligent geometry
High void ratio (>93.5%)

Maximum infiltration surface
Light weight

Two-component flat-pack design

Built-in pipe ports on all faces
(up to 300mm pipe diameter)

No imported fill required*

Manufactured from premium recycled polypropylene

Self-contained modules

Benefits

Maximises structural stability by controlling deflection
Minimises required footprint for storage
Decreases excess soil disposal requirements

Reduces storage volume for infiltration systems
Easier and safer to install
Improved carbon footprint

Simple assembly
No delays with on-site design changes
Reduced transport costs
Improved carbon footprint

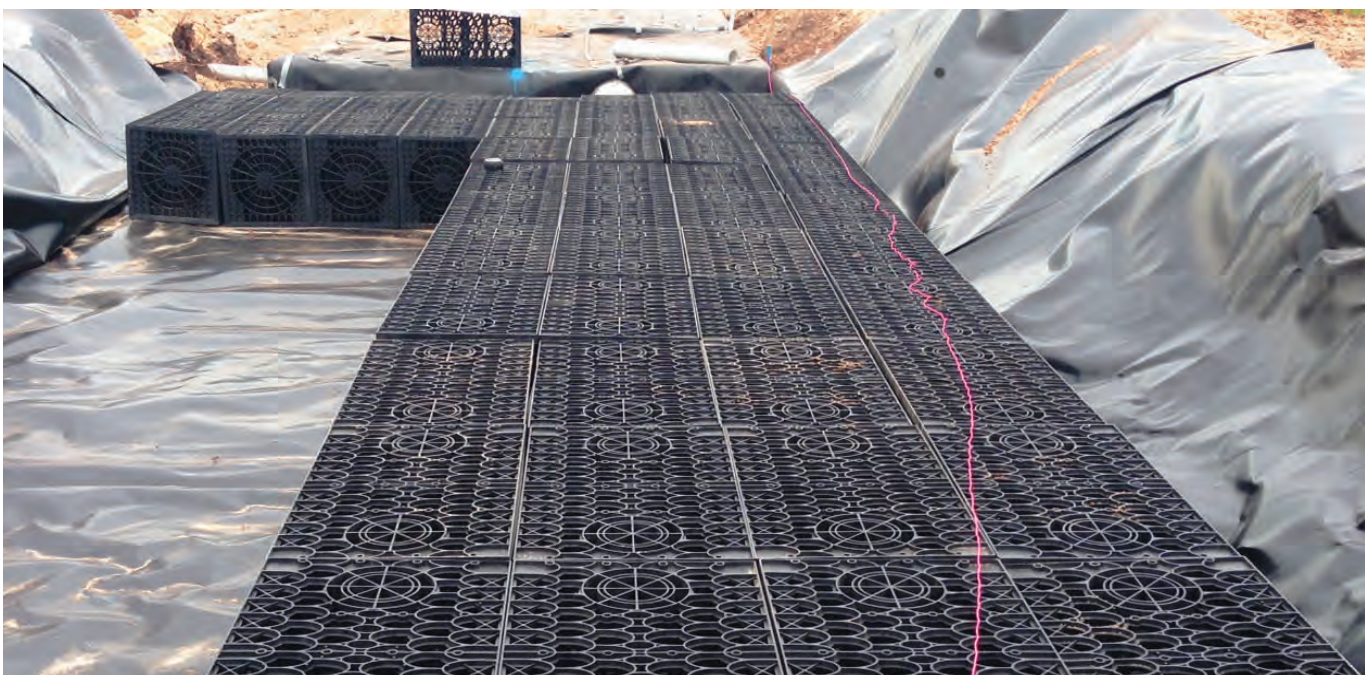
Integrates pipe without compromising structure
Facilitates incorporation of inspection and cleaning facilities
Reduced pipe costs
No need for special components
No delays with on-site design changes
Decreases risk of installation error

Lower installation costs
Improved carbon footprint

Excellent biological and chemical resistance
Improved green credentials

Unlimited layout versatility
In-tank separation, isolation and filtration
Reduced liner installation costs

*Unless otherwise determined by the design engineer



ProTank® Modular Tank

Product Data Sheet

Module (units)	Width (mm)	Length (mm)	Height (mm)	Typical Tank Volume (litres)	Modules per kL
Single (one)	403	720	443	121	8.27
Double (two)	403	720	866	237	4.22
Triple (three)	403	720	1289	353	2.83
Quad (four)	403	720	1712	470	2.13
Penta (five)	403	720	2135	586	1.71

Internal Porosity

>93.5% Void

Material

100% recycled polypropylene (customised polymers may be used for special projects)

Biological and Chemical Resistance

Unaffected by mould and algae, bacteria, soil-borne chemicals, bitumen, oil and light acid or alkaline solutions

Service Temperature

-10°C to 85°C

Module Configuration	Compressive Strength (Unconfined)	Recommended Minimum Cover	Recommended Maximum Cover	Recommended Maximum Depth to Bottom of Tank	Recommended Maximum Stack Height
Standard Duty (3-Plate)	205 kPa	300mm*	1,200mm	2,400mm	Quad
Heavy Duty (4-Plate)	235 kPa	600mm	2,000mm	3,000mm	Penta
Ultra Duty (5-Plate)	275 kPa	600mm	2,000mm	3,000mm	Penta

*Non-traffic only

- Compressive strength tests do not accurately simulate buried performance and should not be used in isolation to assess product suitability. Soil-structure interaction plays an important role in any sub-surface installation and should be taken into consideration by the design engineer.
- Standard-Duty Modules are not recommended for trafficable applications (ride-on vehicles).
- Minimum cover, maximum depth and trafficability recommendations are a guide only and should be evaluated on a site-specific basis by a suitably qualified design engineer.
- ProTank® Modules should be assembled and installed in accordance with the "ProTank® Assembly and Installation Guidelines" unless otherwise determined by the design engineer.

About Us

Global Partners, Local Solutions

Geosynthetic Partners International Limited are suppliers of niche solutions and products to the building and construction industry and civil, geotechnical and structural engineering communities.

Partnering with proven, major international manufacturers to offer superior value in the following applications:

- Ground improvement
- Hydraulic structures
- Waste containment
- Contaminated soil and water
- Pavements
- Stormwater and drainage
- Flood remediation
- Environment and conservation

Get in Touch

NEW ZEALAND

ProTank® is exclusively distributed by Geosynthetic Partners International in New Zealand

Website

gpil.co.nz

Email

info@gpil.co.nz



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