

# ProTank® Modules

## Superior Stormwater Soakage Solution



Superior Stormwater Management for infiltration and soakage.

### Product Information

The ProTank® Module Solution 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.

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
- Effluent disposal (leach drains)
- Wicking beds (self-watering gardens)

### Product Data Sheet

Module (units)	Width (mm)	Length (mm)	Height (mm)	Volume (litres)
Single (one)	403	720	443	121
Double (two)	403	720	866	237
Triple (three)	403	720	1289	353
Quad (four)	403	720	1712	470
Penta (five)	403	720	2135	586

Internal Porosity  
Material  
Biological and Chemical Resistance  
Service Temperature

>93.5% Void  
100% recycled polypropylene (customised polymers may be used for special projects)  
Unaffected by mould and algae, bacteria, soil-borne chemicals, bitumen, oil and light acid or alkaline solutions  
-10°C to 85°C

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### Product Data Sheet

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.

### Features

### Benefits

Superior unconfined compressive strength	Reduced number of ProTank® vertical plates are required to achieve the same compressive strength, when compared to similar products
High void ratio (>93.5%)	Minimises required footprint for storage Decreases excess soil disposal requirements
Maximum infiltration surface	Reduces storage volume for infiltration systems
Light weight	Easier and safer to install Improved carbon footprint
Two-component flat-pack design	Simple assembly No delays with on-site design changes Reduced transport costs Improved carbon footprint
Built-in pipe ports on all faces (up to 300mm pipe diameter)	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
No imported fill required*	Lower installation costs Improved carbon footprint
Manufactured from premium recycled polypropylene	Excellent biological and chemical resistance Improved green credentials
Self-contained modules	Unlimited layout versatility In-tank separation, isolation and filtration Reduced liner installation costs

\*Unless otherwise determined by the design engineer