



- Applications**
- Infiltration Tanks
 - Stormwater Tanks
 - Detention Tanks
 - Attenuation Tanks
 - O.S.D Onsite Detention
 - Underground Drainage

mastaTANK Stormwater Module

mastaTANK Stormwater Modules are suited to any subsurface infiltration, retention or detention Stormwater applications. Manufactured using recycled materials, the Tank Modules are lightweight, engineered design, structural component developed through research & development. It is ideally used for the construction of underground Infiltration, Reuse, Detention Tanks, Grass Swale, Subsurface interception channels, Septic Leach Drains and light weight void fillers for roof gardens and planter boxes applications.

mastaTANK Stormwater Module system supersedes traditional gravel and pipe based systems by far. The system provides a void space ratio of over 95% compared to 30% in typical gravel and pipe based systems. Consequently, the mastaTANK system offers a smaller footprint for the same storage volume, significantly saving the amount of excavation, soil transport, importing clean aggregate and thus reducing earthworks related installation costs, and causes minimum site disruption.

mastaTANK Stormwater Module Specifications			
Properties	Unit	Single Tank SD	Single Tank HD
Length	mm (in)	715 (28.75)	715 (28.75)
Width	mm (in)	400 (15.75)	400 (15.75)
Height	mm (in)	440 (17.32)	440 (17.32)
Tank Volume	L	65.12	65.12
Water Volume	L	119.47	119.47
Void Area	%	95	95
Surface Void Area	%	95	95
Rib Thickness	mm (in)	5 (0.18)	5 (0.18)
Service Temperature	°C (°F)	-10 to 75 (-14 to 167)	-10 to 75 (-14 to 167)
Min Soil Cover required	mm	300 - 400 minimum	600 minimum
Flow Rate	m ³ /sec	0.04 (through single module 400mm x 440mm side)	
Ultimate Unconfined Crush Strength	ton/sqm (PSI)	24.20 ton/sqm	26. ton/sqm
Unit Weight.	kg	57.15 (Weight of the plastic per Cbm of tanks)	
Sizes	mm (L x W x H)	Double Tank 715mm x 400mm x 460mm Triple Tank 715mm x 400mm x 1280mm Quad Tank 715mm x 400mm x 1700mm	
Recycled Content	%	85% Selected Recycled Polypropylene + 15% proprietary mix	
Biological & Chemical Resistance	-	Unaffected by moulds, algae, Soil borne Chemical, bacteria and bitumen, polypropylene is very inert	