PlanterCell® SW Tank Series

Our Stormwater management systems control surface runoff to mitigate flash flooding. They can function as retention tanks for water storage or detention tanks to temporarily hold runoff and reduce peak flow, and may also be integrated into bioswales and structural void-filling applications.

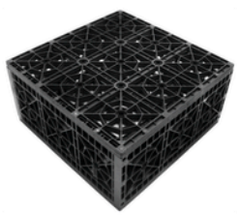
PlanterCell® SW Tank Series

A modular underground stormwater tank and void filler system with a high void ratio, designed for detention, retention, bioswale, drainage integration, and void-filling applications. Available in a range of sizes and high-capacity configurations, the system supports efficient stormwater management and heavy-duty load requirements.

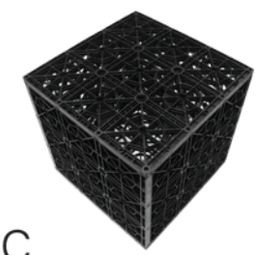
SW Tank Mini



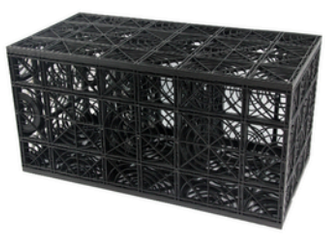
SW Tank 250



SW Tank 500



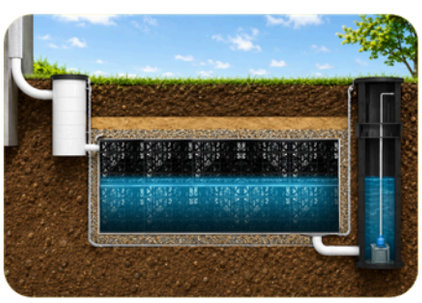
SW Tank 1000



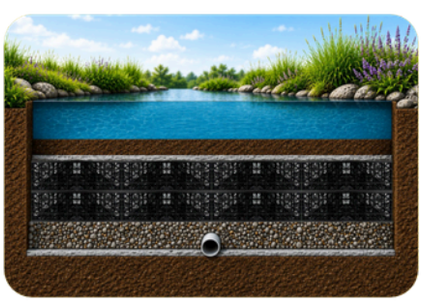
SW Tank 715 HC



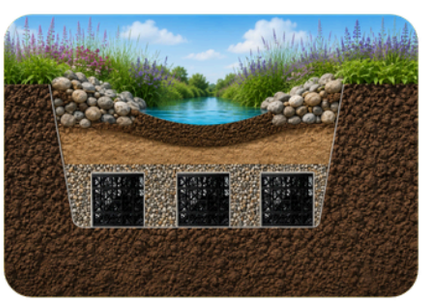
APPLICATIONS:



RAINWATER HARVESTING TANK



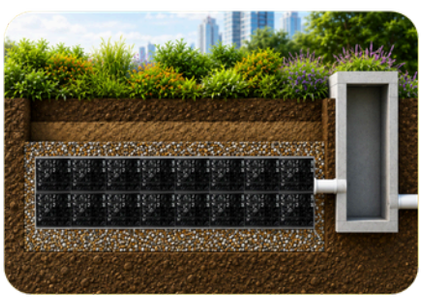
ECO POND



BIOSWALES



INFILTRATION SYSTEM



DETENTION TANK



DEEP PLANTERS

uniseal

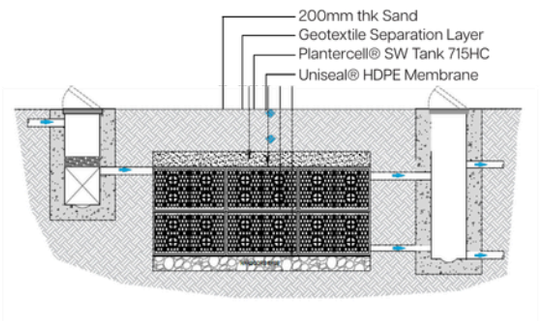
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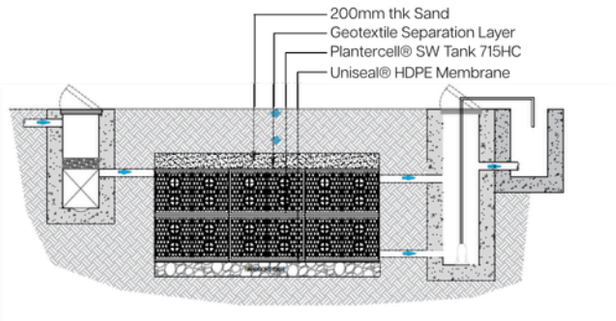
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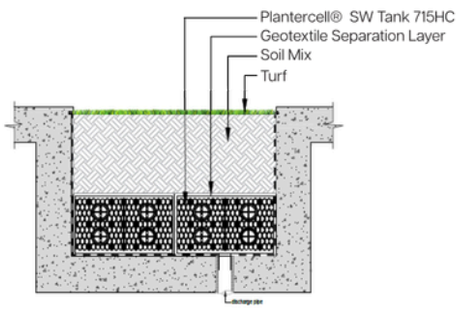
PlanterCell® SW Tank Series



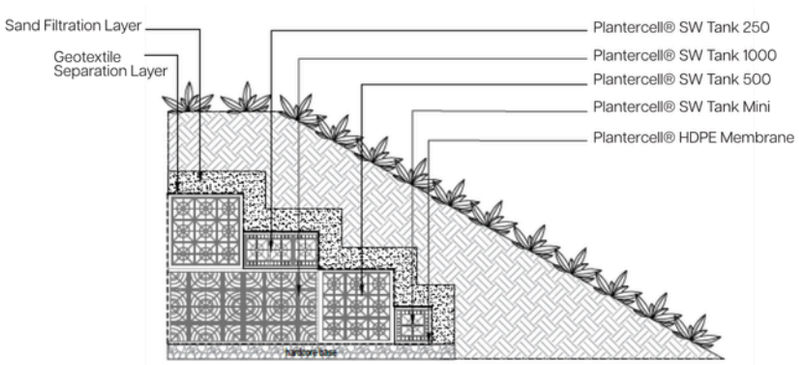
PlanterCell® SW TANK 715HC DETENTION TANK TYPICAL DETAIL



PlanterCell® SW TANK 715HC RETENTION TANK TYPICAL DETAIL



PlanterCell® SW TANK 250 AND MINI FIELD DRAINAGE ALONG STORM DRAIN TYPICAL DETAIL



PlanterCell® SW TANK SERIES VOID FILLER TYPICAL DETAIL

Tech Specs		UOM	PlanterCell® SW Tank Series				
			Mini	250	500	1000	715 HC
SEC Green Label			Yes	Yes	Yes	Yes	Yes
SGBC Green Product			✔✔✔✔	✔✔✔✔	✔✔✔✔	✔✔✔✔	✔✔✔✔
Material			100% Recycled PP	100% Recycled PP	100% Recycled PP	100% Recycled PP	100% Recycled PP
Colour			Black	Black	Black	Black	Black
Tank Size:	Height	mm	250	250	500	500	440
	Width	mm	250	500	500	500	400
	Length	mm	500	500	500	1000	715
Panels per tank	Side	pc	2	4	4	2	4
	top/bottom		2	2	2	2	2
	Sliders		2			4	4
	Internal Sliders						5 / 6 / 7
	Support Pipes						2 / 4
Surface Void		%	40.86	47.70	52.58	51.40	>59
Internal Void		%	90.38	90.24	94.88	94.80	
Net tank Capacity		m^3	0.030	0.059	0.119	0.238	
Compressive Strength		$tonnes_f/m^2$					
without support			>38	>25			
w/1 I-beam / pole support				≥34	>18		
w/2 I-beam / pole support					>20		
w/3 I-beam / pole support			>67				
w/4 I-beam / pole support				>37			>71
w/5 I-beam / pole support					>24		
w/6 I-beam / pole support					>26		
w/7 I-beam / pole support					>28		
w/8 I-beam / pole support					>29		
w/9 I-beam / pole support				>54	>30		
w/11 I-beam / pole support					>34		
w/12 I-beam / pole support					>37		
w/13 I-beam / pole support				>66	>40		
w/ 4 sliders						>17	>25
w/ 5 sliders						>23	>31
w/ 6 sliders						>19	
w/ 7 sliders						>23	>35
w/ 8 sliders						>34	
w/ 9 sliders						>35	

SEC = Singapore Environment Council
SGBC = Singapore Green Building Council

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