



- Applications**
- Roof Top Gardens
 - Retaining Walls
 - Underground Water Retention
 - Planter Boxes
 - Sports Fields

DRAINmasta DrainCel®

Drainage Cell is an ideal structural and lightweight system designed for planter box and roof garden applications. It allows optimal growing conditions for vegetation through ideal moisture conditions and aeration. Only excess water is removed and the soil profile retains a high moisture content.

Drainage Cell features water storage cups used for passive irrigation and due to the structural design of the cell, a void space is created, providing aeration and promoting growth for root systems. It will also function as a protective membrane for waterproofing on concrete slabs, walls and provide ventilation for concrete slabs, alleviating heat-induced stress and cracking.

DRAINmasta DrainCel® Specifications							
Properties	Standard	20mm		30mm		50mm	
Width	-	500mm	1,64'	500mm	1,64'	500mm	19.68 in
Length	-	600mm	1,97'	600mm	1,97'	600mm	23.62 in
Height	-	20mm	0.787"	30mm	1.18"	50mm	1.96 in
Surface Void Area	-	>70% void		68% void		>90% void	
Internal Void Area	-	95%		95%		95%	
Internal Storage Volume when used as Roof Attenuation System	-	-		27 Lts/ sqm based on 95% Internal void ratio.		-	
Material	-	90% recycled polypropylene +10%Propriety Mix					
Colour	-	Black					
Biological & Chemical Resistance	-	Unaffected by moulds and algae, soil-borne chemicals, bacteria and bitumen, Oils & light Acid, Alkaline Solutions."					
Service Temperature	-	-10°C to 85°C					
		-14F to 185 °F					
Compressive Strength/ Ultimate Load	ASTM D1621	>164 t/m2	> 233.26 psi	>105 t/m2	> 149.34 psi	>225 t/m2	>320.02 psi
Average Flow Rate	ASTM D4716	>1.25 (L/s/m width) @1% gradient		>1.86 Ltrs/s/m width @1% gradient		>4.73 lt/m.s @ 1% gradient	