



Rainsmart 20mm (0.787") DRAINAGE CELL SPECIFICATION SHEET



	Standard Used	Metric	Imperial
Width		500mm	1,64'
Length		300mm	0.984'
Height		20mm	0.787"
Surface Void Area		>70% void	
Internal Void Area		95%	
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 to185 °F
Compressive Strength/ Ultimate Load	ASTM D1621	>164 t/m2	> 233.26 psi
Flow Rate	ASTM D4716	>10.6 Ltrs/m.s @1%gradient	> 2.80 gals/m.s @1%gradient

Special Features:

- ✓ Unique cup structures which provides passive irrigation during prolonged dry weather. And only removes excess water.
- ✓ Unique hexagon cut-out design for multi directional vortex flow to enhance oxygenation and improve water quality.
- ✓ Unique surface design to manage optimum vertical flow and create perch water table on the surface & in the above permeable soils.
- ✓ Largest pre-clipped size (1000mm x 1200mm) with clips for fast and easy installation.
- ✓ High Crush Strength to support Heavy loads.

NOTE: All RainSmart Products and Systems are Design Registered or Design Registration Pending.

Safety Factors: Engineers, designers and geotechnical engineers should design and calculate safety factors to a serviceable limited state to suit specific project. In case of doubt, consult your nearest distributor or representative.

Disclaimer: All information provided in this publication is correct to the best knowledge of the company and is given out in good faith. This information is intended only as a general guide, no responsibility can be accepted for any errors, omissions or incorrect assumption. As each project is unique, and as Rainsmart Solutions Pty .td. and its distributors and agents worldwide have no direct control over the methods employed by the user in specifying, installing or supervising of its products hence no responsibility is accepted by Rainsmart Solutions Pty Ltd. and its distributors and agents worldwide. Users should satisfy themselves as to the suitability of the product for their purpose.



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