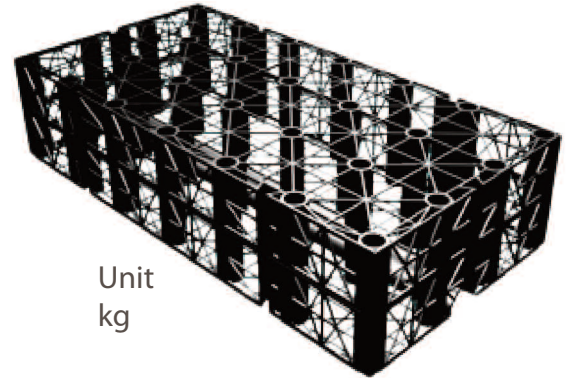


ArborRaft System

150mm Specification



Pre-formed Geocellular Sub-Base Replacement Unit Attention/infiltration System

Material	Polypropylene (CoPo)						
Element	Value	Unit					
Weight per unit	3.28	kg					
Dimensions							
Length	708	mm					
Width	354	mm					
Height	150	mm					
Short Term Compressive Strength							
Vertical	715	kN/m ²					
Lateral	156	kN/m ²					
Short Term Deflection							
Vertical	1 mm per 126 kN/m ²	mm/ kN/m ²					
Lateral	1 mm per 15 kN/m ²	mm/ kN/m ²					
Ultimate tensile strength of a single joint	42,4	kN/m ²					
Tensile strength of a single joint at 1% secant modulus	18,8	kN/m ²					
Bending resistance of unit	0,71	kN/m					
Bending resistance of single joint	0,16	kN/m					
Hydraulic performance							
3 units wide, 1 unit deep (1,06 m x 0,15 m) Free discharge	Gradient (%)	0	1	2	3	4	5
	Flow rate (l/m/s)	8	13	15	17	19	21
Volumetric Void Ratio	95%						
Average effective perforated surface area	52%						

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