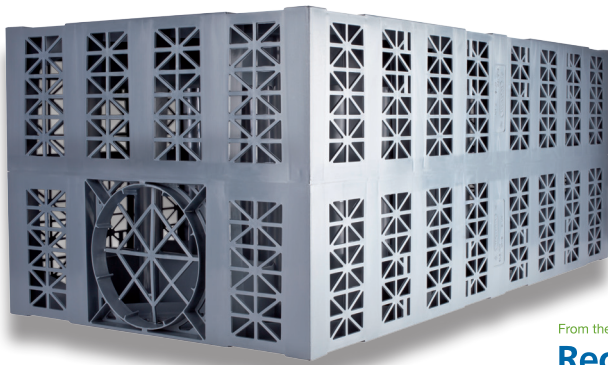


Description:

Prime is the latest addition to the AquaCell range, manufactured from specially reformulated, recycled material and has been specifically designed using expertise from the award winning Recycore Technology. It is ideal for use in both shallow and deep applications, subject to either regular traffic loading – such as car parks (for vehicles up to 12 tonnes), or for landscaped areas.



Technical Specification:

Part Number	6LB075
Unit Colour	Grey
Dimensions	1m x 0.5m x 0.4m
Weight	9.5kg
Volume	190 litres
Void Ratio	95%
Material	Reformulated, recycled material
Vertical Loading	45.6 tonnes/m ²
Lateral Loading	7 tonnes/m ²

Typical Maximum Installation Depths:

Landscaped areas	3.70m
Trafficked by cars	3.45m
Trafficked by HGVs	n/a
BBA approval	Yes (Certificate 03/4018)

Maximum installation depths (to base units)

Typical soil type	Typical angle of shearing resistance (¹) (²) (ϕ)	Maximum depth of installation – to base of units (m)			
		With groundwater at 1m below ground level and units wrapped in geomembrane		Without groundwater below base of units (normal case)	
		Trafficked areas (cars only) (³)	Non-trafficked areas	Trafficked areas (cars only) (³)	Non-trafficked areas
Stiff over-consolidated clay (e.g. London clay)	24°	1.60	1.78	1.73	1.98
Normally consolidated silty, sandy clay (e.g. alluvium, made ground)	26°	1.75	1.90	2.01	2.27
Loose sand and gravel	30°	1.95	2.08	2.58	2.86
Medium dense sand and gravel	34°	2.04	2.16	2.98	3.24
Dense sand and gravel	38°	2.14	2.24	3.45	3.70

- (1) Loosening of dense sand or softening of clay by water can occur during installation. The designer should allow for any such likely effects when choosing an appropriate value of ϕ .
- (2) The design is very sensitive to small changes in the assumed value of ϕ , therefore, it should be confirmed by a chartered geotechnical engineer. In clay soils, it may be possible to utilise cohesion in some cases.
- (3) Applicable for car parks or other areas trafficked only by cars or occasional refuse collection trucks or similar vehicles (typically one per week).
Assumptions made are:
- ground surface is horizontal
 - shear planes or other weaknesses are not present within the structure of the soil

Source: BBA

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