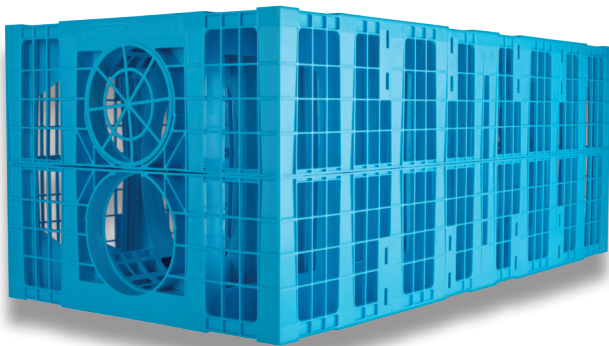


Description:

Plus has been designed primarily for use in applications where inspectability is required, and is suitable for use in all applications from landscaped areas to heavily trafficked areas (for vehicles up to 44 tonnes).



Technical Specification:

Part Number	6LB200
Unit Colour	Light Blue
Dimensions	1m x 0.5m x 0.4m
Weight	10.5kg
Volume	190 litres
Void Ratio	95%
Material	Virgin PP
Vertical Loading	65 tonnes/m ²
Lateral Loading	8.5 tonnes/m ²

Typical Maximum Installation Depths:

Landscaped areas	5.08m
Trafficked by cars	4.78m
Trafficked by HGVs	4.48m
BBA approval	Yes (Certificate 03/4018)

Maximum installation depths (to base units)

Typical angle of shearing resistance (⁽¹⁾ (⁽²⁾ (ϕ))	Maximum depth of installation – to base of units (m)		
	Non-trafficked areas	Trafficked areas	
		Cars (⁽³⁾)	HGV
24°	2.96	2.65	2.35
26°	3.18	2.88	2.57
28°	3.42	3.12	2.82
30°	3.69	3.39	3.08
32°	3.98	3.68	3.38
34°	4.31	4.01	3.71
36°	4.68	4.38	4.07
38°	5.08	4.78	4.48

(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 slow moving vehicles.

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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