

Boughton Rain Garden Soil



Product information

Boughton Rain Garden Soil is based on an extensive green roof substrate, with a small amount of topsoil blended into the mixture to slow down filtration and provide more body. This will retain water for a longer period of time within the soil mixture, increasing its water storage performance, and improving water quality benefits. It will provide a free draining mixture with a large amount of porosity, capable of supporting plants which prefer a freer draining substance, but one that is sometimes saturated.

Application

Boughton Rain Garden Soil can be laid to the surface if required, if a brick dominated mixture is allowed for aesthetic reasons. Alternatively, a gravel mulch can be laid above the soil mixture to provide a planting bed, prevent weed ingress and improve aesthetics of the rain garden. Specific deep rooting plants should be specified if a gravel mulch layer above 100 mm is used.

Standard

Boughton SuDs soil meets and exceeds all present G.R.O guidelines.



Properties

Green waste compost (PAS100)	20
Crushed brick (5-15 mm)	70
Topsoil	10

Installation details

This Rain Garden Soil layer should be between 100-200 mm depth and consist of 10 mm pea gravel.

Delivery info

Boughton Rain Garden Soil can be delivered in any required format. This includes 25ltr and IBC Bulk bags. Or loose tipped as required.



Boughton Rain Garden Soil Performance Specifications

Sample Reference

Proposed performance specification for soil mixtures.

pH	2.0-3.0
Electrical Conductivity (uS cm-1)	>150
Saturated hydraulic conductivity (mm hour-1)	<15
Field capacity (% volume)	30-50
Total Porosity (% volume)	>30

Heavy metal limits for soil mixtures

Lead (mg l-1)	330
Nickle (mg l-1)	22
Copper (mg l-1)	55
Cadmium (mg l-1)	22
Zinc (mg l-1)	88