



# StrataCell

## Soil Structure System

Includes:

- Product information sheets
- Technical data sheet

# StrataCell

## SOIL STRUCTURE SYSTEM

Designed to highly advanced engineering specifications to support greater vertical loads, **StrataCell** brings tree-root systems closer to pavement surfaces. Engineers have calculated that, with only 300mm of granular pavement depth, a **StrataCell** matrix can support maximum traffic loads.

**Load bearing Geonet** is laid over the top of the **StrataCell** structure to prevent the ingress of the surface sub-base into the rooting area.



Large void spaces between columns



### BENEFITS

- Integrated matrix means modules are simple and fast to click together.
- In excess of 94% of total soil volume is available for tree-root growth.
- Generously designed apertures permit common conduits, service pipes and aeration systems.
- Significant volume reduction for freight and lower transport costs.
- Reduced installation costs.
- Constructed from 100% recycled material.
- Designed to support enormous vertical as well as lateral loads.
- Excellent modular strength.

Important - Please read these instructions fully before starting assembly  
For further help telephone our technical helpline on 01424 433233

# StrataCell

## SOIL STRUCTURE SYSTEM



Load bearing deck for spanning shared utility trench



Interstacked for shipping



Easy clip together matrix design

### Typical Installation Specification

Please contact GreenBlue Urban for full installation specification

### Compatible products

- Root management
- Underground root ball guying
- Tree grilles and guards
- Porous resin bound gravel

### StrataCell Module specification

Description	Recycled plastic rigid skeletal interlocking octagonal structure
Material	Advanced glass reinforced polymer
Dimensions	500mm x 500mm x 250mm

Code	Description	Loading Capacity
GLSCMA	StrataCell 60 Series Module	550kpa
GLSCM30A	StrataCell 30 Series Module	260kpa
GLTWGNA	Load bearing Geonet membrane	

# StrataCell 60 Series

## SOIL STRUCTURE SYSTEM

### TYPE

Large structural soil support module

### CODE

GLSCMA 500mm x 500mm x 250mm

### MATERIAL

Recycled glass reinforced polypropylene

### LOAD BEARING CAPACITY

550kPa vertical load

### FINISH

Natural

### COLOUR

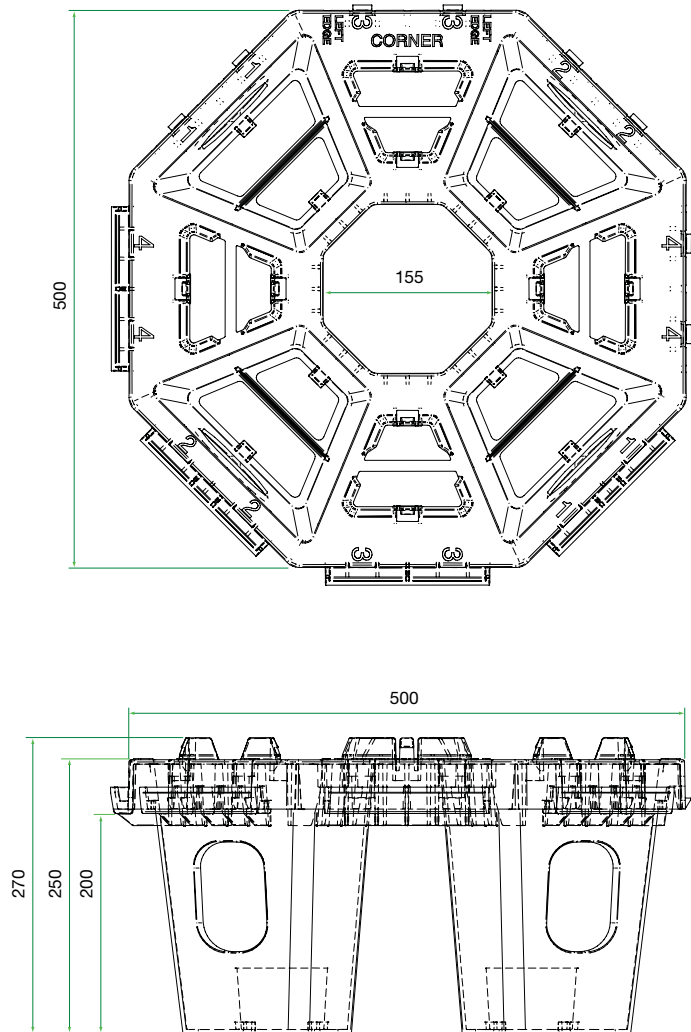
Black

### WEIGHT

3.86kgs

### VOID/SOIL

94%



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# StrataCell 30 Series

## SOIL STRUCTURE SYSTEM

### TYPE

Large structural soil support module

### CODE

GLSCM30A  
500mm x 500mm x 250mm

### MATERIAL

Recycled polypropylene

### LOAD BEARING CAPACITY

260kPa vertical load

### FINISH

Natural

### COLOUR

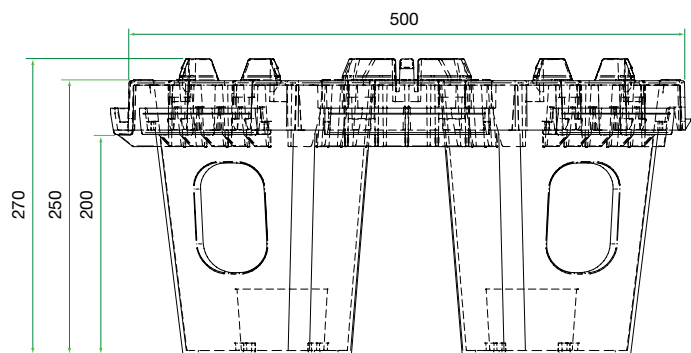
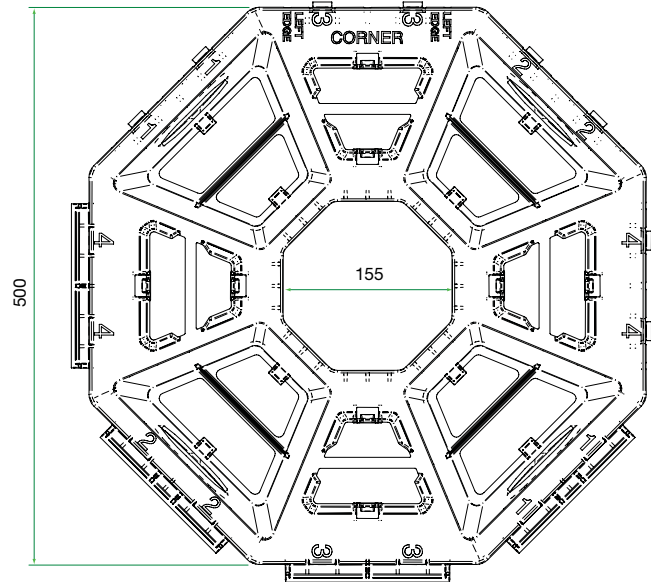
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### WEIGHT

3.86kgs

### VOID/SOIL

94%



# Load Bearing Geonet

## DATASHEET



### Raw Material

Grid	PET
Nonwoven	150 g/m <sup>2</sup> PP
Coating	Polymer

### Weight

EN ISO 9864	~420	g/m <sup>2</sup>
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### Ultimate tensile strength

EN ISO 10.319		
Longitudinal	≥ 40	kN/m
Transversal	≥ 40	kN/m

### Strain at nominal tensile strength

EN ISO 10.319		
Longitudinal	≥ 12.5	%
Transversal	≥ 12.5	%

### Mesh size of the geogrid

25 x 25	mm
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### Opening size

EN ISO 12956	~0,10	mm
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### Opening size

EN ISO 11058	~75	x 10 <sup>-3</sup> m/s
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### Standard Dimension

Width x Length	1m	100m
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No responsibility is accepted for any change in product properties due to environmental influences and / or improper application or handling. Rights are reserved to modify the product to effect improvements.