



StrataCell

Soil Structure System

Includes:

- Product information sheets
- Technical data sheet



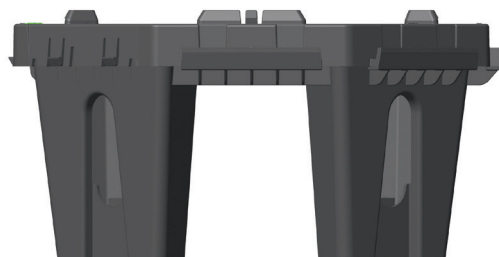
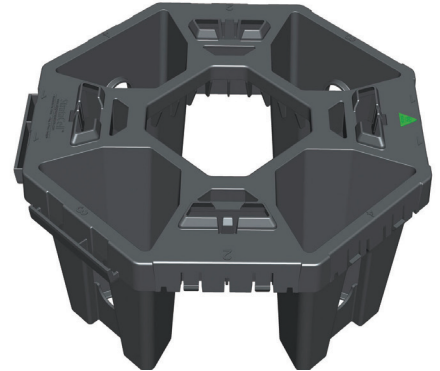
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StrataCell

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.

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

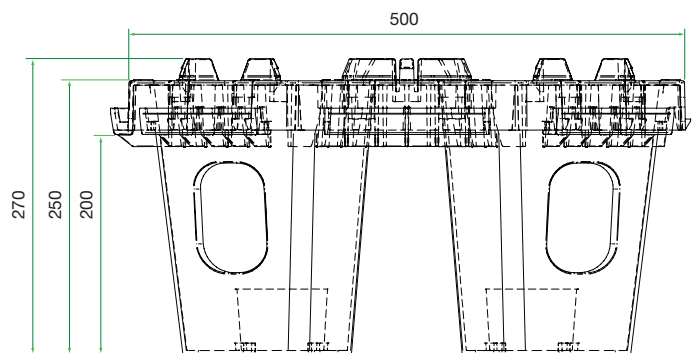
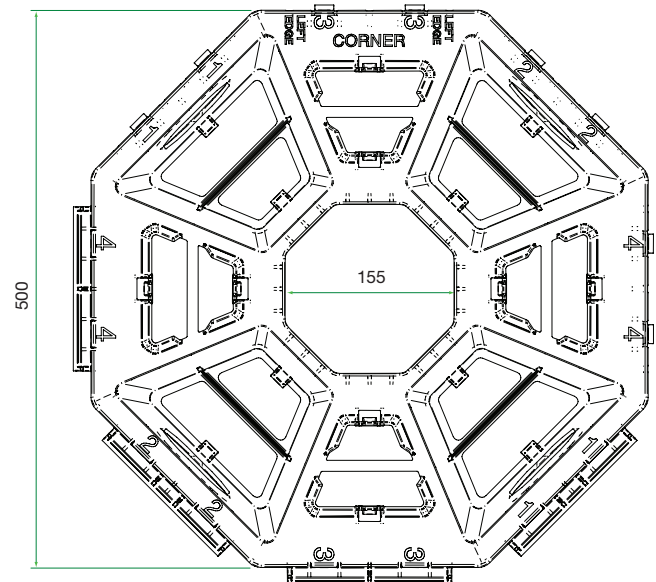
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WEIGHT

3.86kgs

VOID/SOIL

94%



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

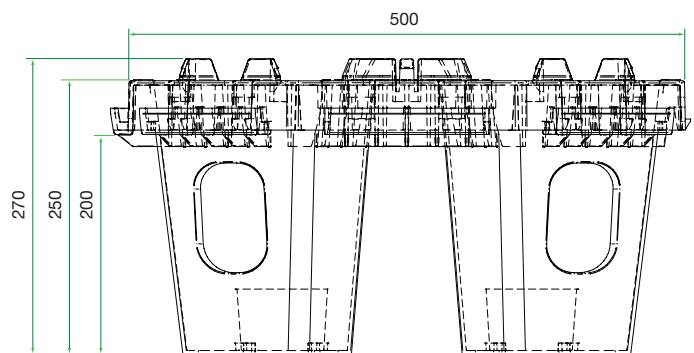
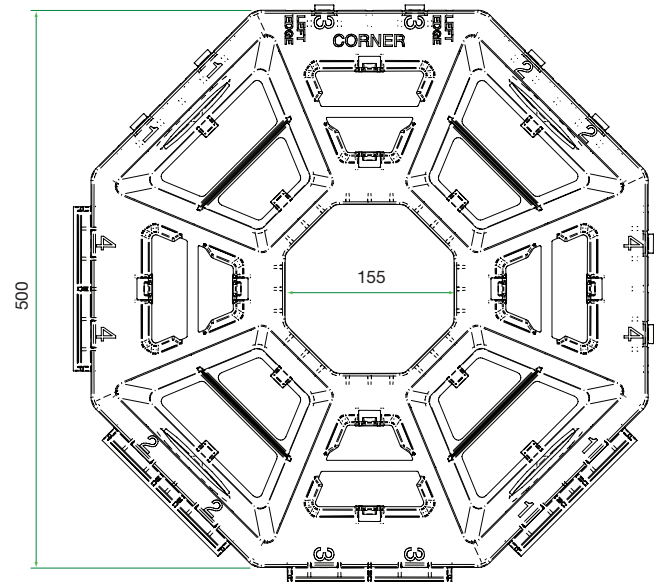
Black

WEIGHT

3.86kgs

VOID/SOIL

94%



Load Bearing Geonet

DATASHEET



Raw Material

Grid	PET
Nonwoven	150 g/m ² PP
Coating	Polymer

Weight

EN ISO 9864	~420	g/m ²
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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

Opening size

EN ISO 12956 ~0,10 mm

Opening size

EN ISO 11058 ~75 x 10⁻³ m/s

Standard Dimension

Width x Length 1m 100m

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.