

Citygreen® StrataVault™ Technical Sheet

The new Citygreen® StrataVault is an extremely high strength module for support of pavements and traffic loads while providing large volumes of uncompacted soil for healthy tree root systems and water harvesting.

The high strength Citygreen Structural Module is the result of a team of talented design engineers working with Citygreen to produce the ultimate load bearing 'root cell' structure.

This patented design integrates an array of essential features, making it the most advanced structural module of its type globally.

Immense compressive load bearing capacity is achieved by combining columnar design geometry with recycled, reinforced co-polymer materials.

Due to the positive lateral and vertical connectors, an assembled StrataVault matrix also has excellent lateral strength. The octagonal modules are placed and connected rapidly and simply, with minimum of skilled labour required.

Large spaces between the columns provide generous avenues for root growth in all directions, and volume within the columns is open and readily accessible for feeder and structural tree roots.

The environmentally-critical design parameters have resulted in an extremely strong module made from recycled material, which leaves a huge proportion of its total volume for root growth and storm water harvesting.

Material Specifications

30 Series - 100% recycled polypropylene

45 Series - 100% recycled ABS

Dimensions

Length : 600mm

Width : 600mm

Height : 404mm

**Note: Product dimensions may change without notice. Please confirm with Citygreen at time of order placement.*

Capacity

Free Volume: Module <83%

Assembled Matrix >90%

Important Note

- Request StrataVault Construction Details for matrix dimensions in plan and elevation
- Submit plans and pavement details to Citygreen for comment.
- All installers to complete online training certification.

Ultimate Load Strength (Single cell & lab tested)

30 series - 300kPa/43.5psi

45 series - 450kPa/65.3psi

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