

# Strata Planters

Cabinet Planter and Park Planter Range

## Design Manual



# Strata Planters

## Design Manual



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# Strata Planters

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## SECTION 1

# PRODUCT INTRODUCTION

### STRATA PLANTERS

Precision Strata Planters are a premium range of planter boxes.

These planter boxes are provided complete with moulded ABS pot liners that provide both strong support and moisture protection.

#### Strata Cabinet Planters

Strata Cabinet Planters are a range of standard planter boxes that are designed to be used on top of Smartstore® Generation 2 tambour door cabinets.



#### Strata Park

Strata Park planter is a freeform version that can be used in a variety of configurations, to facilitate the integration of plants into the office environment.

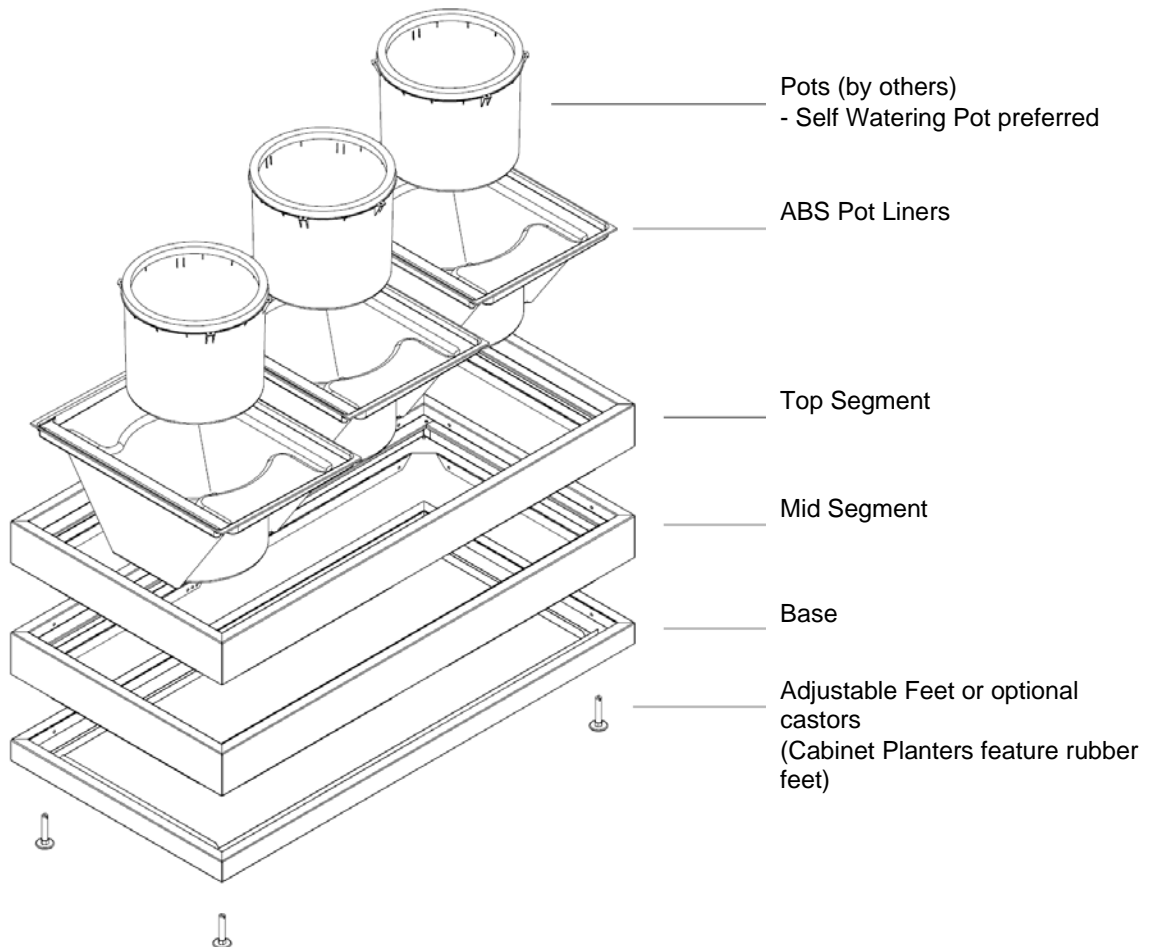
Strata Park Planters feature adjustable feet as standard. Alternatively castors may be used on smaller units to provide mobility.

A range of accessories is also possible including seat cushions, LPL MDF and steel infill top panels.



## Components

Strata Planters are available in 2 variations; Strata Cabinet Planters and Strata Park. Each version is constructed in a similar manner and made up of similar style components as detailed in the diagram below.



## Materials

Components of the planter products are typically produced from the following materials and finishes

Material	Base and Segments:	High strength zinc coated steel
	Pot Liners:	Formed ABS
Finish	Base and Segments:	Powder Coated
	Pot Liners:	Black

## **PRODUCT PARAMETERS**

Strata Planters are designed to operate within the following standard parameters.

### **Floor**

The floor should be of solid construction designed to accept loads imposed by the product.

### **Loads**

Individual loads should be stable and self supporting, with a maximum unit weight within the safe working recommendations.

### **Operating Conditions**

Components and load data are based on dry internal applications.

### **Temperature**

+3°C to +40°C.

### **Note:**

*For applications that require operating parameters that are outside those indicated above, please contact Dexion Commercial for technical guidance on your particular application.*

## SECTION 2

# STRATA CABINET PLANTERS

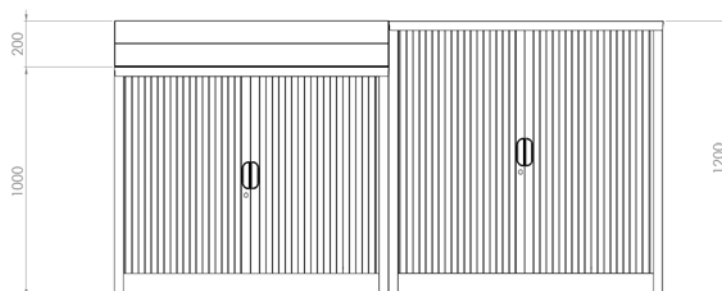
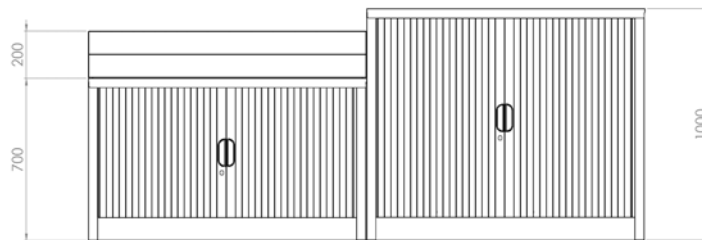
### STRATA CABINET PLANTERS

Strata Cabinet Planters are designed to be used on top of Smartstore® Generation 2 tambour door cabinets. These planter boxes are provided complete with moulded ABS pot liners that provide both strong support and moisture protection.

Strata Cabinet Planters are designed to accept 200mm (8") pots as standard.

Strata Cabinet Planters are available in the following dimensions:

- Widths: 900mm and 1200mm.
- Height: 200mm.
- Depth: 470mm deep to match the depth of the cabinets



Note that the combined height of cabinet and planter should not exceed 1400mm

Strata cabinet mounted planters are available in widths of 900mm and 1200mm.

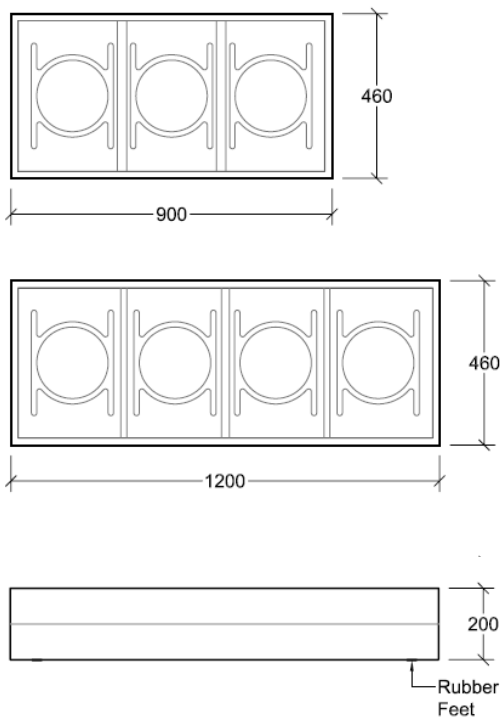
Overall height is 200mm, which is made up from 2 x 100mm high segments

The cabinet mounted planters accommodate the following pots

- 900mm wide planters - 3 x 200mm (8") pots
- 1200mm wide planters - 4 x 200mm (8") pots

These planters are supplied as a complete assembled unit.

200H - 200mm POTS



Code	Description
515-0017	STRATA CABINET MOUNTED PLANTER SET 900MM WIDE
515-0018	STRATA CABINET MOUNTED PLANTER SET 1200MM WIDE

Note: Strata cabinet planters can be manufactured with different layer colours in the same unit; when specifying, or ordering, please indicate the base layer colour first, then the top layer colour (e.g. 515-0017/S2WS – 900mm wide planter set, base layer colour Silver Comet, top layer White Satin).



## SECTION 3

# STRATA PARK

### STRATA PARK PLANTERS

Strata Park planter units are the freeform version that can be used in a variety of configurations, to facilitate the integration of plants into the office environment.



These planter boxes are also provided complete with moulded ABS pot liners that provide both strong support for the potted plants and moisture protection.

Strata Park planters feature adjustable feet as standard, or alternatively castors can be fitted to smaller units to provide mobility.

A range of accessories is also possible including seat cushions and steel infill tops are available.

Note that Strata Park units are 450mm deep to facilitate modular configuration of the units.

Strata Park is designed to use 200mm (8") pot liners, however can accommodate 300mm (12") liners in special circumstances. Please see following or contact Precision for further information.

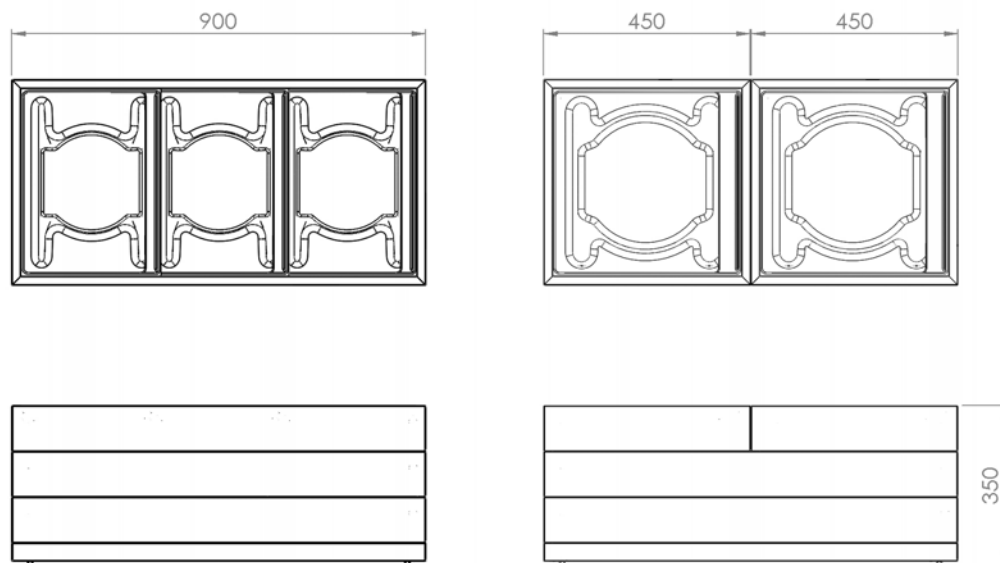
## Park Configurations

Strata Park Planter units can be configured as straight runs, and also freeform units in 'L', 'Z', & 'U' shapes, and many more as required. The height can also vary within a configuration by simply stacking extra segments.

## Straight Units

Strata Park Units can be configured as straight units in standard lengths of 900mm. These units are configured as 'straight stacked', however brick patterning of the segments is also possible.

Longer units are also possible by configuring the segments in a brick pattern. Refer to Freeform units on the next page of this document.



As shown above, when using 200mm (8") diameter pot liners the 900mm wide top layer must sit on top of a 900mm wide segment. This provides a 200mm high clear vertical opening within the planter allowing the liners to sit without being obstructed by other layer components.

As an alternative, if 300mm (12") diameter pot liners are required, each liner **MUST** sit within a 450mm wide top layer. In the case of a 900mm wide planter, as shown above, 2 x 450mm top layers are required to house 2 x pot liners.

These rules **MUST** apply when designing a freeform unit also.

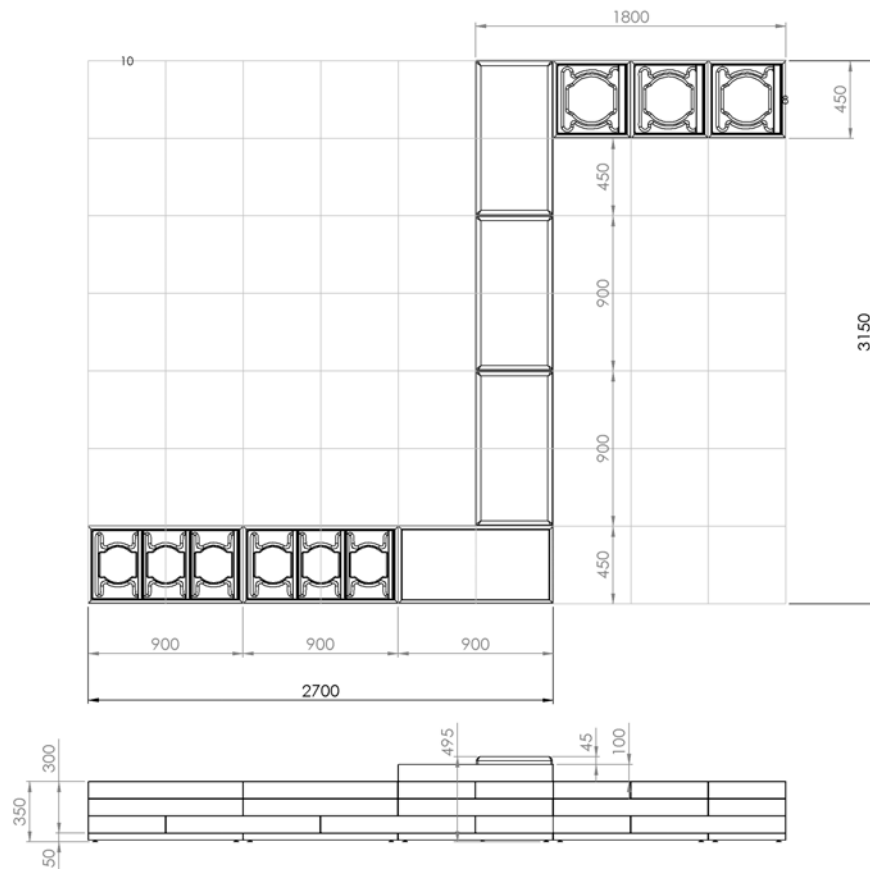
## Freeform Units

Freeform units can be configured to almost any shape imaginable. In freeform units the carcass segments are brick patterned. This brick pattern configuration is both aesthetically pleasing, and also forms a structurally superior assembly.

The depth of Strata Park units is 450mm, and lengths are in 450mm increments. The minimum length in any direction is 900mm. Each 450mm module accommodates 1 x 300mm (12") diameter pot and each 900mm module can accommodate 3 x 200mm (8") diameter pots.

When configuring a unit, the plan view is on a 450 square grid. The actual segments are any combination of 450 x 450 and 450x900 rectangles.

Theoretically, any length is possible in a freeform unit with the segments brick patterned.



## Example Freeform Unit

Note that the unit is configured on a 450mm grid, using segments of 450 x 450 and 900 x 450. Virtually any shape is possible on this grid pattern, using these segment sizes.

Also note that when using 200mm (8") diameter pot liners, a 900mm top must be placed over a corresponding 900mm segment to create a 200mm high block. 450mm wide tops **MUST** be used if 300mm (12") diameter pot liners are to be used (1 top for each liner).

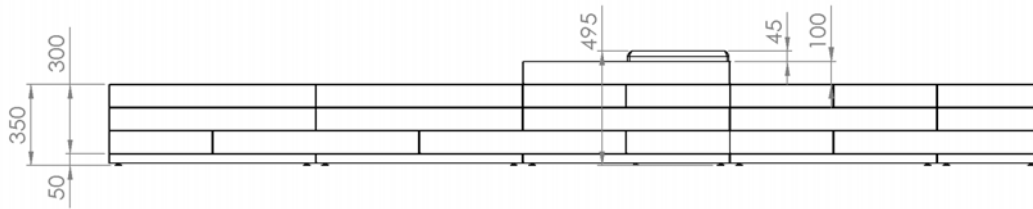
## Default Heights

The default height of a floor mounted park unit is generally 350mm high. This height consists of:

Default Height	Base	50mm	(40mm base + 10mm for adjustable feet)
	Body	300mm	(2 x 100mm mid segments + 100mm top segment)
-----			
	Total	350mm	

When a seat cushion is required, another 100mm segment is added. The cushion also protrudes 45mm above the steel segment; this therefore adds an additional 145mm to the height of the unit which equals a total of 495mm.

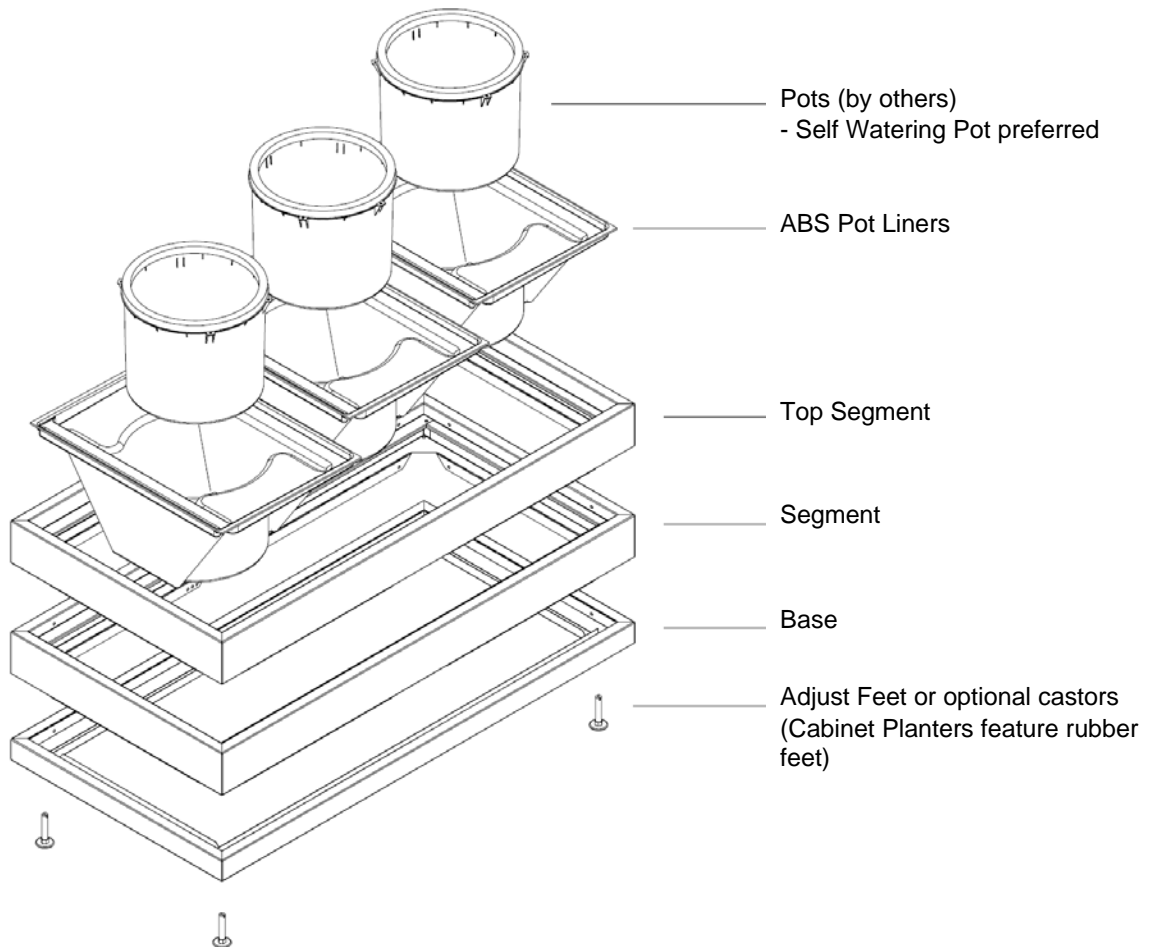
Default Seat	Base	50mm	(40mm base + 10mm for adjustable feet)
Height	Body	300mm	(2 x 100mm mid segments + 100mm top segment)
	Extra Segment	100mm	(100mm top segment)
	Cushion	45mm	(cushion protrudes 45mm above top segment)
-----			
	Total	495mm	



Segments can be stacked higher to create almost endless unit configurations.

## Components

The diagram shows the components of Strata Park Planters



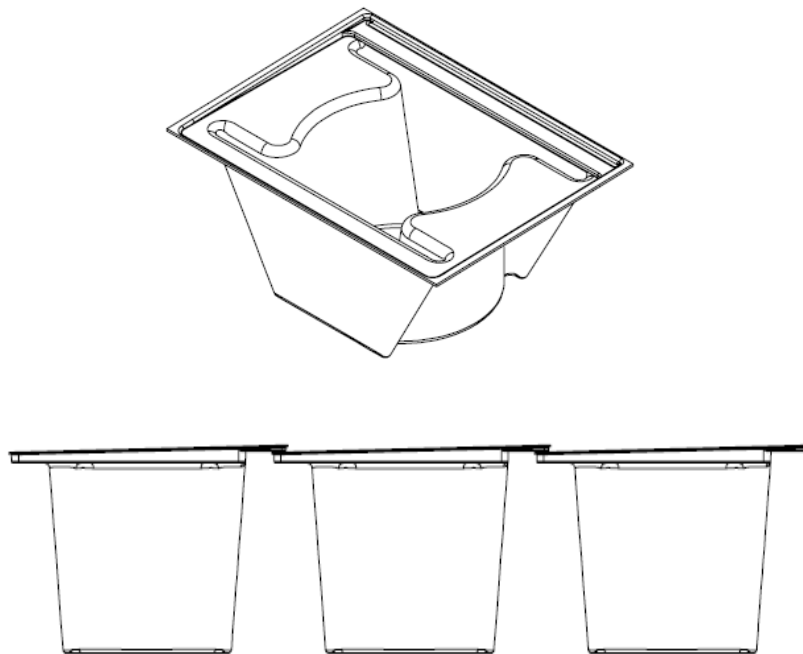
More detail on each of these components is shown on the following pages.

## Park Pot Liners

Pot Liners are specially designed to support the potted plants, and also provide moisture protection by limiting the entry of water into the planter box. Pot liners are formed from strong and rigid ABS material and overlap each other to assist excluding the entry of water into the Park components. Pot Liners are available as standard to suit 200mm (8") pot sizes, at 300mm centres. Each 900mm wide top segment will accommodate 3 x pot liners.

Liners to suit 300mm (12") pots are also available however these can ONLY be used within a 450mm x 450mm top segment. Combinations of 450mm wide top layers must be used where 300mm (12") pot liners are required within a Park system

Note that each pot liner has a maximum load rating of 25kg.



Material	Formed ABS
Finish	Black
Load Rating	25kg Max Allowable Load

Code	Description	Application
169401	PLANTER LINER 409D x 303W – 8" POTS	Use for 450D x 900W top segments
169244B	PLANTER LINER 409D x 409W – 12" POTS	Use for 450D x 450W top segments

### **Park Bases**

Strata Park Bases are formed from high strength zinc coated steel, and are finished with powder coat. They are designed to provide an enclosed sturdy platform for the planter assembly, and feature M10 threaded inserts that allow the use of either adjustable feet, or castors.

Depth	450mm
Height	40mm
Widths	450mm & 900mm

Code	Description
515-0001	Strata Park base 450mm wide x 40mm high x 450mm deep
515-0002	Strata Park base 900mm wide x 40mm high x 450mm deep

### **Park Mid Segments (Intermediate)**

Strata Park Segments are formed from high strength zinc coated steel, and are finished with powder coat. They are designed to be stacked in varying height combinations to achieve the desired overall height.

Depth	450mm
Height	100mm
Widths	450mm & 900mm

Code	Description
515-0003	Strata Park intermediate segment 450mm wide x 100mm high x 450mm deep
515-0004	Strata Park intermediate segment 900mm wide x 100mm high x 450mm deep

### **Park Top Segments**

Strata Park Top Segments are formed from high strength zinc coated steel, and are finished with powder coat. They feature a 20mm wide x 30mm deep top lip that mimics the look of joinery, and also provides a recess that securely locates the pot liners, as well as a set down to allow the use of decorative pebbles etc.

Depth	450mm
Height	100mm
Widths	450mm & 900mm

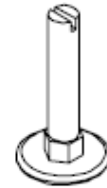
Code	Description
515-0005	Strata Park top segment 450mm wide x 100mm high x 450mm deep
515-0006	Strata Park top segment 900mm wide x 100mm high x 450mm deep

## Adjustable Foot

Strata Park Adjustable Feet are manufactured from high strength steel, and are zinc plated to protect against corrosion. They feature a 3/8" threaded shank, and a forged hex drive to allow adjustment of the foot from under the planter using an open spanner, or alternatively a slot is provided on the top to allow adjustment with a screw driver from the top.

The adjustable foot adds a minimum 5mm to the over height of the planter assembly, and provides 33mm of adjustment.

Material	High strength steel
Finish	Zinc Plated
Code	Description
RM17366	ADJUST FOOT ERL187 50MM LONG



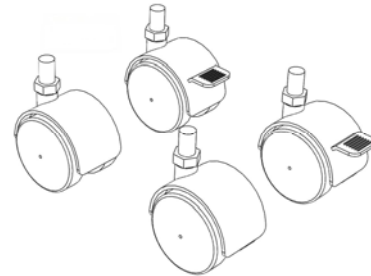
Note: the adjustable feet come standard with all Park bases

## Castors

Strata Park Castors are manufactured from high strength steel and plastic. They are 50mm diameter and when used they replace the adjustable feet utilising the same threaded insert.

The castor adds 65mm to the over height of the planter assembly.

Material	High strength steel and Plastic
Finish	Black



Code	Description
515-0027	CASTOR KIT – 2 x BRAKED & 2 x NON-BRAKED M10 CASTORS



### Park Seat Cushion

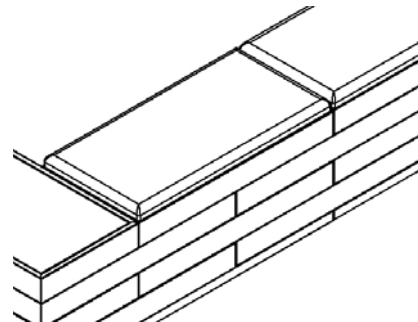
Strata Park Seat Cushions are available upon request. They consist of an 18mm thick MDF base, with 25mm thick high resilience foam cushioning and a fabric cover.

Depth	440mm (to suit 450mm deep top segments)
Widths	440mm & 890mm (to suit 450mm & 900mm wide top segments), the cushions sit on top, and finish slightly in-board, of the top segment
Height	45mm

#### Cushion Materials

Base	18mm MDF Board Base
Foam	25mm thick High Resilience Foam
Fabric	Specified

Note that no adhesive is used in the manufacture of the seat cushion.

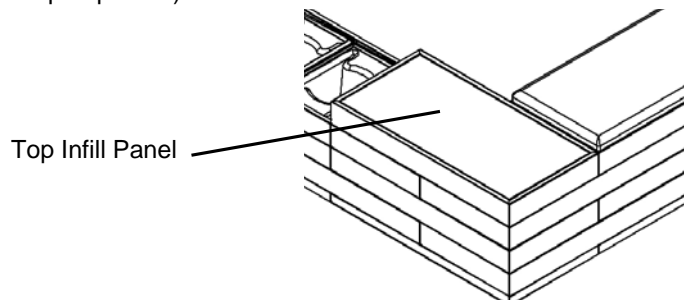


Code	Description	Fabric Requirement
515-0015	Strata Park Seat Cushion 450mm x 450mm	0.35 lineal metres
515-0016	Strata Park Seat Cushion 900mm x 450mm	0.70 lineal metres

### Park Top Infill Panels

Strata Park Top Infill Panels are available upon request and are manufactured using either steel (powder coated to match, or compliment, the Park segments) or low pressure laminated MDF. They provide a clean, neat, top surface that sits flush with the top of the planter carcass.

Depth	410mm (to suit 450mm deep planter)
Widths	410mm & 860mm (to suit 450 & 900 top segments)
Height	30mm (flush with top of planter)



Code	Description
515-0011	Strata Park Top Cover 450mm x 450mm – LPL MDF
515-0012	Strata Park Top Cover 900mm x 450mm – LPL MDF
515-0013	Strata Park Top Cover 450mm x 450mm – Powder coated steel
515-0014	Strata Park Top Cover 450mm x 450mm – Powder coated steel