

SWITHLAND Versatile planter



As UK based, designers and manufacturers, Street Design can manufacture and supply Swithland planters from stock or they can be made to order. Choose the shape, plan sizes and heights of the planters. Choose from a range of material and finishes. Choose from a range of accessories to ensure that the Swithland planter is manufactured to suit your specific scheme.

Swithland planters are suitable for:

- circular planters
- elliptical planters
- curved planters
- roof garden planters
- tree planters
- moveable planters

Planters & Planters with Benches

Product Details

Product Specification

Accessories

Watering System

Adjustable Feet

Material Finishes

Material Specifications

Care & Maintenance

Street Design Limited

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Leicestershire LE12 8LD

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Swithland versatile planters in natural finish FSC certified treated redwood

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PLANTERS & PLANTERS WITH BENCHES

Other sizes and shapes available



3VPSW 01
Square planter
Length: 1200mm
Width: 1200mm
Height: 800mm
All other sizes available



3VPSW 02
Rectangular planter
Length: 2000mm
Width: 1000mm
Height: 800mm
All other sizes available



3VPSW 03
Circular planter
Diameter: 1200mm
Height: 800mm
All other sizes available



3VPSW 04
Semi circular planter
Length: 2000mm
Radius: 1000mm
Height: 800mm
All other sizes available



3VPSW 05
Elliptical planter
Length: 2000mm
Width: 1000mm
Height: 800mm
All other sizes available



3VPSW 07
Curved planter
Length: 3000mm
Width: 1000mm
Height: 800mm
All other sizes available



3VPSW 08
Planter with benches
Length: 7000mm
Width: 2500mm
Height: 800mm
All other sizes available



3VPSW 09
Planter with bench
Length: 3600mm
Width: 2400mm
Height: 495mm
All other sizes available



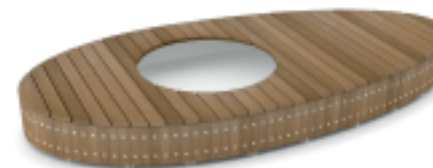
3VPSW 10
Large planter with bench
Diameter: 5596mm
Height: 800mm
All other sizes available



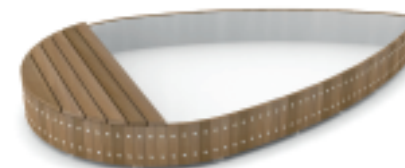
3VPSW 11
Large planter with bench
Diameter: 4000mm
Height: 450mm
All other sizes available



3VPSW 12
Planter with bench
Length: 6900mm
Width: 3440mm
Height: 800mm
All other sizes available



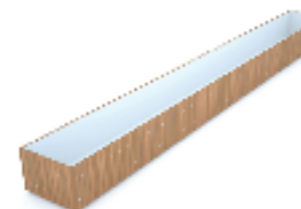
3VPSW 13
Planter with bench
Length: 5050mm
Width: 2500mm
Height: 495mm
All other sizes available



3VPSW 14
Large Teardrop planter
Length: 4708mm
Width: 2800mm
Height: 495mm
All other sizes available



3VPSW 15
Planter with bench
Length: 5840mm
Width: 4990mm
Height: 550 - 700mm
All other sizes available



3VPSW 16
Long planter
Length: 10000mm
Width: 1000mm
Height: 800mm
All other sizes available



3VPCA 18
Planter with benches
Length: 7000mm
Width: 2500mm
Height: 860mm
All other sizes available

SWITHLAND

Versatile planter



PRODUCT DETAILS

General

The Swithland external planter, is a versatile, multi-use and cost effective planter, available in a choice of materials and finishes to suit your scheme and budget.

The planter is available in either FSC iroko hardwood or a FSC treated European, joinery quality redwood. Planters up to 2.8x2.8m plan size will be delivered fully assembled ready for planting.

Larger planters will be manufactured in sections and delivered for assembly on site.

Any shape can be manufactured and supplied including:- straight sided planters, circular planters and planters made up of both curved and straight sides..

Planters are manufactured on a mild steel frame to enable the planters to be moved when fully planted.

Construction

The Swithland, timber clad planter, is constructed by bolting 95x45mm section vertical walling slats to an internal mild steel frame. Square and rectangular planters have a 45x45mm corner fillet is fitted into the external corner.

The internal base is constructed using 75x50x3mm mild steel RHS, 75x50x6mm mild steel angle. The uprights and cross brace straps will be welded 50x10mm mild steel flats.

Treated plywood sheeting is fixed down onto the base frame. 50mm high planter feet are fitted to the underside of the base frame, to ensure that the load is safely transferred to the ground.

When fully constructed, the inside of the planter is fully lined with a geo-textile lining, that allows water to drain through whilst retaining the soil fines.

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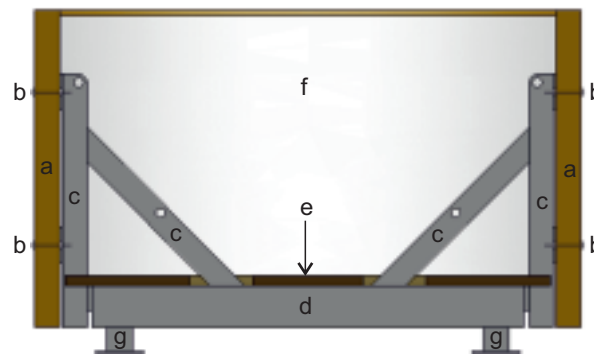
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Section thro' planter



Key

- a - 95 x 45mm FSC vertical timber wall slats
- b - M10 x 65mm cup square coachbolts
- c - 50x10mm mild steel flat
- d - 75 x 50x3mm mild steel RHS
- e - 18mm FSC treated Eucalyptus plywood
- f - Geotextile membrane filter lining
- g - 50mm high planter feet

Typical plan sizes, heights and basic shapes of Swithland planters

Plan dimensions and material options	all other sizes, heights and plan shapes can be manufactured and supplied				
Square	Planter heights				
1.0 x 1.0m	400mm	600mm	800mm	1000mm	1200mm
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
1.5 x 1.5m					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
2.0 x 2.0m					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
Rectangular	Planter heights				
2.0 x 1.0m	400mm	600mm	800mm	1000mm	1200mm
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
2.8 x 1.0m					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
Full circular	Planter heights				
1.0m diameter	400mm	600mm	800mm	1000mm	1200mm
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
1.5m diameter					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
2.0m diameter					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
Half circular	Planter heights				
1.5m diameter	400mm	600mm	800mm	1000mm	1200mm
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
2.0m diameter					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•
2.8m diameter					
FSC softwood	•	•	•	•	•
FSC iroko hardwood	•	•	•	•	•

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PRODUCT SPECIFICATION

Technical information

Material

Vertical walling slats	95 x 45mm FSC treated redwood or FSC iroko hardwood
External corner detail	45 x 45mm FSC treated redwood or FSC iroko hardwood
Internal uprights and cross straps	45x10mm mild steel flat
Base frame	75x50x3mm RHS and 75x50x6mm angle mild steel
Legs	48.3mm Ø x 3mm CHS with 88.9mm Ø x 5mm base plate
Base flooring	18mm FSC treated Eucalyptus plywood
Fixings	M10 size - bright zinc plated
Standard finish	Natural
Optional finish	Stained

Accessories

Adjustable feet on a mild steel frame
Tree anchor fittings
Bench seating
Watering systems
LED lighting
Base skirting boards
Trellis panels and pergola structures
Inner tower planters

Guarantee

All planters are guaranteed for 15 years minimum

Walling heights (mm)

400	600	800	1000	1200	1400
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Planting depths (mm)

257	457	657	857	1057	1257
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Weights

FSC treated redwood (kgs / linear m.)	15	21	27	33	39	45
FSC iroko hardwood (kgs / linear m.)	18	25	32	39	46	53
FSC treated base (kgs / m²)	11	11	11	11	11	11
Light fill material can be based on:	1000 kgs / m³					
Heavy fill material can be based on:	2000 kgs / m³					

Timber policy

All treated softwood planters are manufactured using materials obtained from growers who operate under the Forest Stewardship Council (FSC).

All iroko hardwood planters are manufactured using materials obtained from growers who operate under the Forest Stewardship Council (FSC).

Construction

All Street Design products are designed and manufactured using only quality, durable materials, construction details and fixings, to provide a long-lasting, durable life expectancy.

Assembly

Planters up to 2.8 x 2.8m will be delivered to site fully assembled for off loading and positioning on site. Planters larger than 2.8m will be supplied in sections for bolting together on site.

Materials

Hardwood planters are constructed from FSC iroko hardwood, from sustainable sources. Softwood planters are constructed using FSC European redwood that has been Wolmanit CX treated, for a desired service life of 30 years minimum. All mild steel fixings will be M10 size and have a bright zinc plated finish. Planters will be fitted with a geotextile filter fabric lining, which allows the water to drain through the planter, while retaining the fill material.

Standard finish

FSC treated softwood and iroko hardwood will be left natural to reduce the need for re-staining and help reduce maintenance costs.



Crescent planter in FSC treated redwood with a natural finish



FSC treated redwood planters with curved Spalding planter bench



Large FSC natural treated softwood planters

Optional finish

If required, timber planters can be supplied with a stained finish using 3 coats of quick drying water based wood stain, to the colour of your choice. Material samples available on request.

Options

Swithland planters are manufactured to order. Before we can manufacture the planters, we need to know the following:

- plan size and shapes
- heights
- material
- finish
- details of accessories

Accessories

To enhance your Swithland planter and create a product that is suitable for your specific application, you can add from a range of planter accessories.

- Tree anchors
- Adjustable feet
- Watering system
- Integral bench seating
- LED lighting
- Base skirting
- Pergola structures
- Trellis panels
- Plaques

SWITHLAND Versatile planter



ACCESSORIES

Swithland planters can be manufactured and supplied to include a range of optional accessories. Planters can incorporate; adjustable feet, tree anchor fittings, watering systems, bench seating, LED lighting, pergolas and trellis panels.

Adjustable feet

Swithland planters can be manufactured with optional adjustable feet to allow the planter to be height adjusted to ensure that the top of the planter is level. The adjustable feet, allow the planter to be levelled after relocation. See separate page for Adjustable Feet details.

Watering system

Swithland planters can be supplied with a choice of 2 watering systems. Street Design can supply either a reservoir system, with filler pipe or the Mona, subterranean tank system. See separate page for Watering System details.

LED lighting

Swithland planters can be supplied with apertures cut into the sides of the planters or we can add timber bearers or metal brackets to accommodate your specified LED lighting products. Please contact the sales office to discuss your specific requirements.

Tree anchor fittings

Swithland planters can be fitted with galvanised mild steel tree anchor points. They can be fitted at the bottom of the planter to help support the root ball and they can be fitted at the top of the planter to help provide support for the tree. The tree anchors are manufactured using 25x5mm mild steel flat. They have two punched slots and are fitted to the projecting bolt ends on the inside of the planter. The tree anchors are hot dip galvanised.

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Pergola structures and trellis panels

By extending the planter uprights, pergola structures and trellis panels can be integrated into the planter construction. Pergolas and trellis allow high level planting and create shaded areas for seating.

Bench seating

Integral planter benches, with or without armrests, can be supplied with Swithland planters. As standard 2 bench designs are available. Other designs can be included upon request. The Bexley bench consists of 4 no. 70x45mm timber slats and the Spalding bench has 145x45mm wide bench slats, which run from back to front. The slatted benches bolt onto galvanised mild steel brackets, attached to the planter sides. Benches can be fitted to 1, 2, 3 or 4 sides to suit your requirements. The choice of material and finish is the same as for the planter. As standard the brackets will have a galvanised finish. As an optional extra, they can be polyester powder coated.



Optional Spalding circular planter bench



Mona watering system



Optional Bexley straight planter bench



Optional aperture cut for LED light fitting

Bench configurations for square and rectangular planters



bench on 1 side



bench on 2 sides opposite



bench on 2 sides adjacent



bench on 2 sides adjacent (mitred)



bench on 3 sides



bench on 3 sides (mitred)



bench on 4 sides



bench on 4 sides (mitred)

Bench configurations for circular planters



Full circular planters can have quarter, half or full circular planter benches

Bench configurations for semi-circular planters



Half circular planters can have planter benches to the straight side only, the curved side only or both the straight and curved sides



WATERING SYSTEMS

Watering System 1 - Street Design reservoir system

The Street Design watering accessory is a reservoir system with hydroleca sacks, that maximises the available water.

The system ensures the optimum use of the water and nutrients, delivering the maximum quantity directly to the roots of the plants, resulting in improved root development and optimal plant growth.

General

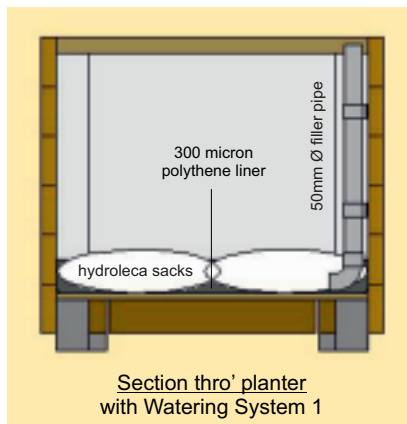
The system consists of a 300 micron thick black polythene liner, hydroleca (pulverised ash granules) sacks and a rigid plastic filler pipe.

The system delivers water directly to the roots via 50mm diameter, rigid plastic pipe, eliminating water wastage. This encourages deep root growth, improving long term drought resistance. The high level filler pipe provides an easy access point for watering and soluble fertiliser application.

Installation

Planters are supplied with the Water System 1 already installed.

Ensure the hydroleca sacks are in the correct position. They will move during transportation. Check that all the plastic pipe connections are properly fitted. The planter is ready for drainage material, filling and planting.



Polythene liner with filler pipe



Hydroleca sacks laid out in base of planter

Watering System 2 - MONA subterranean tank system

Mona watering system

Factory fitted into planter / tree container

The Mona Plant System (MPS) is an advanced, well proven and easy to use subterranean irrigation system. It is the cost effective and environmentally friendly solution for both interior and exterior landscaping.

The Mona Plant System ensures that the water and nutrients are delivered in the right quantity to the root of the plants, resulting in improved root development and optimal plant growth.

General

The system consists of storage tanks, flexible linking pipes and a flexible filler pipe with filler pipe cap. The system delivers water directly to the roots via capillary action, eliminating water wastage. This encourages deep root growth, improving long term drought resistance. The cap and lid provides an easy access point for watering and soluble fertiliser application.

Factory installation

All necessary water tanks, pipes, end caps and air pipes with level indicator, are factory fitted into the planters / tree containers, prior to delivery.

Filling planters

Ensure that the distance between the top of the link tank and the lowest part of the root does not exceed 150mm.

For full details visit: www.green-tech.co.uk



Water storage tanks and filler pipe



Planter ready for soil and planting



Completed planter

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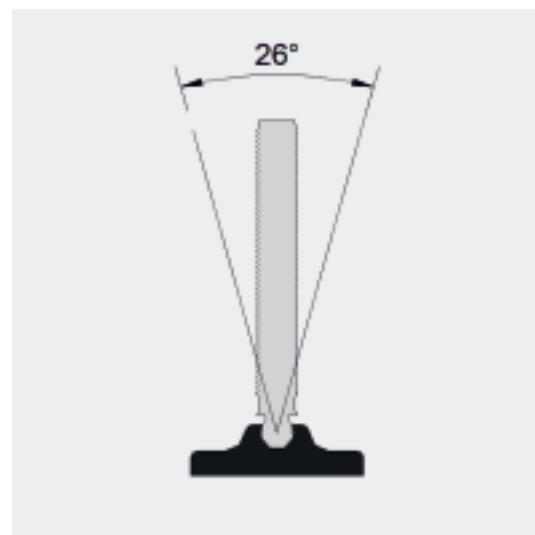
ADJUSTABLE FEET

General details

As an extra cost option, Street Design planters can be supplied with adjustable feet. They allow the planter to be levelled, before filling and planting.

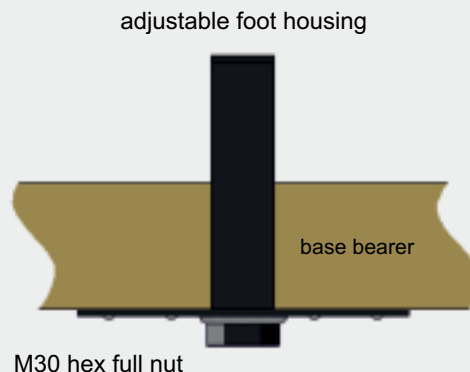
Adjustable feet are particularly useful if the planters are likely to be relocated to a new position.

The adjustable foot screw fits into a hex nut, located on the underside of the planter base.



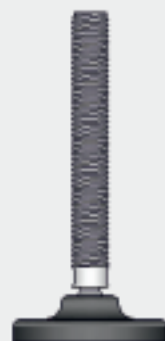
Specification

The adjustable foot comprises of a M30 Ø threaded bar, with spherical end section, press fitted into a black reinforced polyamide base. The swivel base can tilt through 360° to accommodate sloping ground levels. The threaded bar is BZP (bright zinc plated) treated.



M30 hex full nut

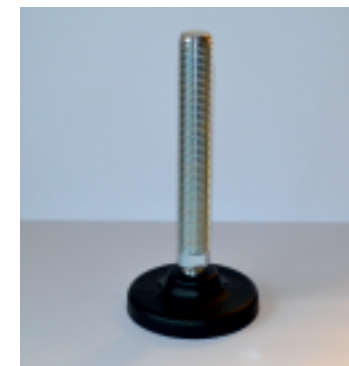
Adjustable Foot Mounting Plate



Adjustable Foot

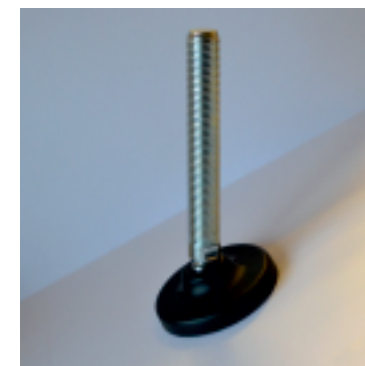
Fitting and adjustment

The M30 adjustable foot with swivel base, is screwed into adjustable foot mounting plate.
The mild steel mounting plate with adjustable foot housing, is fixed to the underside of the planter base.
A M30 hex full nut is welded to the underside of the mounting plate.
The adjustable foot is adjusted with a 26mm wrench.



Base diameter

M30 adjustable foot with swivel base.
The base diameter is 122mm.



Swivel base

The swivel base can adjust to allow for sloping ground with a fall of up to 1 in 2.06 (26°).



Bolt down base

For extra security, it is possible to drill and bolt through the base of the adjustable feet.

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MATERIAL FINISHES

Standard finishes

FSC certified treated redwood standard finish

As standard, all FSC treated redwood planters will be supplied with a natural finish. The preservative treatment process will colour the timber a light brown/green.



Aged natural FSC certified treated redwood

Left to weather naturally, the timber will eventually turn a silver grey colour.



FSC certified iroko hardwood standard finish

As standard, all FSC iroko hardwood planters will be supplied with a natural finish. Due to the nature of the material and the density of the grain, iroko hardwood is not capable of taking a preservative treatment. Iroko hardwood is a naturally durable material, giving a life expectancy in excess of a treated softwood.



Aged natural FSC certified iroko hardwood

Left to weather naturally, the timber will eventually turn a silver grey colour.



Optional finishes at extra cost

FSC certified treated redwood wood optional finish

As an optional extra, the FSC treated redwood can be supplied with a stained finish. This will be applied after the timber treatment process. The standard stain will be 3 coats of Ronseal quick drying water based stain. The standard colour will be teak. Other stains and colours can be applied upon request.



Optional teak stained finish

FSC certified iroko hardwood optional finish

As an optional extra, the FSC iroko hardwood planters can be supplied with a stained finish. The standard stain will be 3 coats of Ronseal quick drying water based stain. The standard colour will be teak. Other stains and colours can be applied upon request.



Optional stained finish

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Versatile planter



MATERIAL SPECIFICATION

Standard planter

Uprights

50x10mm mild steel flat.

Base frame

75x50x3mm mild steel RHS with 75x50x6mm mild steel angle cross struts.

Cross brace straps

50x10mm mild steel flat.

Feet

48.3 x 3mm Ø mild steel CHS with 88.9mm Ø x 5mm thick welded base plate.

Horizontal flats

25x5mm mild steel flat.

Wall slats

Vertical FSC 95x45mm FIN PAR Wolmanit CX treated European redwood or FSC iroko hardwood slats.

Base floor

18mm FSC Eucalyptus treated plywood.

Internal lining

Geotextile membrane.

Fixing bolts

M10x65mm coach bolts with a BZP finish.

Optional planter accessories

Adjustable feet

M30 adjustable feet with swivel base. See Adjustable Foot page for full details.

Tree anchors

25x5mm mild steel flat, hot dip galvanised.

Watering system

Choose either the Street Design reservoir system or the Mona tank system. See Watering System page for full details.

Planter benches

FSC bench slats to match planter material in either FSC treated European redwood or iroko hardwood, bolted to hot dip galvanised mild steel bench brackets.

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Optional planter accessories continued

Base skirting

12mm thick Marine grade plywood boards, screw fixed to blocks fixed to the underside of the planter

Moveable planters

Swithland planters are manufactured with an internal mild steel frame and are suitable for moving.

Pergola structures

Pergola structures can be manufactured as an integral part of the planter construction. The steel uprights can be extended to carry the upper horizontal 145x45mm section timber bearers and cross bearers.

Trellis panels

Trellis panels can be manufactured as an integral part of the planter construction. The steel uprights can be extended to carry the horizontal and vertical trellis timber slats.

LED lighting

The lighting is available in cool white, warm white, blue, green or red LED units. More complex lighting can be supplied, including twilight switches, PIR sensors, timers, infrared, ultraviolet and royal blue emitters, PWM dimmers, RGB, UPS, DMX and remote control units.

Material samples

Material samples are available on request.

Guarantee

All planters are guaranteed for 15 years minimum. This guarantee is a minimum and is dependant on the product not being misused or abused. All the materials, treatments and construction will allow for a life expectancy considerably longer than this.

General specification

Construction

All Street Design products are designed and manufactured using only quality, durable materials, construction details and fixings, to provide a long-lasting, durable life expectancy.

Assembly

Swithland planters up to 2.8 x 2.8m will be delivered to site fully assembled for off loading and positioning on site. Planters larger than 2.8m will be supplied in sections for bolting together on site.

Timber policy

All treated softwood products are manufactured using materials obtained from growers who operate under the Forest Stewardship Council (FSC).

All iroko hardwood products are manufactured using materials obtained from growers who operate under the Forest Stewardship Council (FSC).

Materials

Hardwood products are constructed using FSC iroko hardwood, from sustainable sources. Softwood products are constructed using FSC European redwood that has been Wolmanit CX treated, for a desired service life of 30 years minimum.

All mild steel fabricated components will be hot dip galvanised after fabrication to BS EN ISO 1461:2009.

All stainless steel fabricated components will be grade 304. Grade 316 can be specified if the location or project requires it.

All mild steel fixings will be bright zinc plated, and all stainless steel fixings will be A2 (grade 304). A4 (grade 316) can be specified if the location or project requires it.

Planters will be fitted with a geotextile filter fabric lining, which allows the water to drain through the planter, while retaining the fill material.

Finishes

FSC treated softwood and iroko hardwood will be left natural to reduce the need for re-staining and help reduce maintenance costs. If required, timber planters can be supplied with a stained finish using 3 coats of quick drying water based wood stain, to the colour of your choice.

Mild steel components will be left with a galvanised finish only. If required, after hot dip galvanising, the mild steel components can be polyester powder coated, to the colour of your choice. The galvanised parts are prepped, treated and sprayed with the polyester powder, before being baked in an oven.

Stainless steel components will have a dull polished finish. If required, the stainless steel components can be supplied with a mirror polished or bead blasted finish.

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CARE & MAINTENANCE

General

All Swithland planter products are manufactured using quality materials, treatments and finishes. The timber components are manufactured from either FSC treated redwood or FSC iroko hardwood. All products require a varied amount of maintenance, depending on the environment, usage and weather conditions. Natural timber will only require cleaning. In time, stained timber will require re-coating.

Maintaining the standard FSC treated redwood finish

Natural finish treated redwood can be washed down with a mild detergent. More stubborn surface marks can be removed with a light, hand sand with a 120 grit, or higher grade sandpaper. Excessive sanding should be avoided.



Maintaining the optional FSC treated redwood finish

Stained, treated redwood will need to be re-coated after a period of time. The stain can either start to fade, become dull (oxidised) or incur some surface break up. Lightly sand down the timber using a 120 grit, or higher grade sandpaper. We recommend that the timber is re-stained with the original stain colour and manufacturer. Details can be obtained from Street design Limited. Apply the stain evenly, with brush strokes running parallel with the woodgrain, in thin layers, building up the finish as recommended by the stain manufacturer.



Maintaining the standard FSC iroko hardwood finish

Natural finish iroko hardwood can be washed down with a mild detergent. More stubborn surface marks can be removed with a light, hand sand with a 120 grit, or higher grade sandpaper. Excessive sanding should be avoided.



Maintaining the optional FSC iroko hardwood finish

Stained, iroko hardwood will need to be re-coated after a period of time. The stain can either start to fade, become dull (oxidised) or incur some surface break up. Lightly sand down the timber using a 120 grit, or higher grade sandpaper. We recommend that the timber is re-stained with the original stain colour and manufacturer. Details can be obtained from Street design Limited. Apply the stain evenly, with brush strokes running parallel with the woodgrain, in thin layers, building up the finish as recommended by the stain manufacturer.

