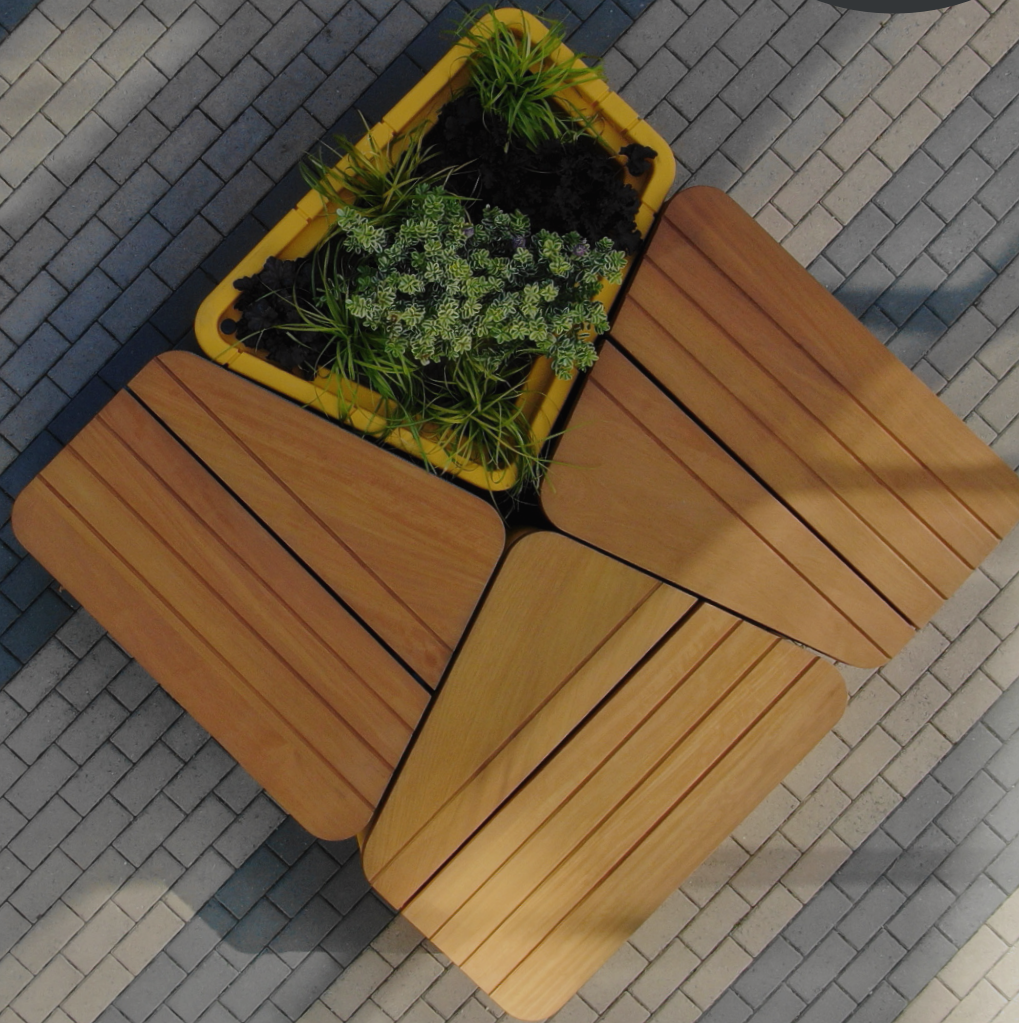


# Unium® Seating & Planters.







# Uniun.

## Uniun: the concept

The concept of the Uniun range is built on the idea that informal seating planter 'islands' encourage more social use of spaces than conventional linear forms. Uniun modules can be arranged in unusual or abstract ways allowing people to face in different directions, or face each other. You can combine planter and seating modules creating green buffers and backdrops between and around seating provision.

Uniun is a unique approach to seating and planting for public spaces, it can be used for both seating and planters or subdivided to provide seating and planting within the same module.

From a single common base moulding, its clever trapezoid geometry offers many different configuration options which can be flipped and rotated, and used with or without a lid to create 14 different modules.

- Readily movable: easy to reconfigure to suit the space
- Lightweight but tough polyethylene base moulding
- Available in multiple finish options, including bright colours
- Height adjustable feet to accommodate variable site levels
- Freestanding or bolt-down installation
- Grooved feature lines on base moulding and seating surfaces to aid alignment of adjacent modules

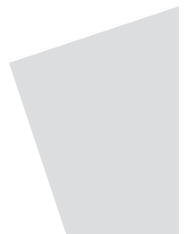


## The geometry

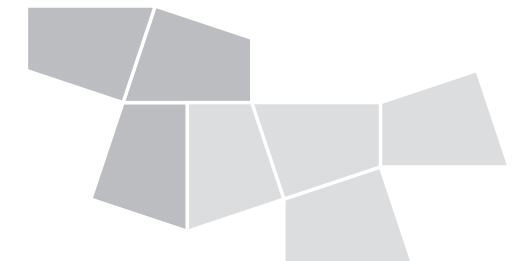
Trapezoid is a 4-sided flat shape with straight sides and no parallel sides. Adding two opposite right-angled corners introduces further relationships between the two pairs of sides, with one adjacent pair being equal length and for the second pair, one side being twice the length of the other. It is these principles that enable different sides of the product modules to be abutted and aligned to form unusual geometric and organic configurations.



Trapezoid



Reverse hand  
Trapezoid



Trapezoid & reverse hand trapezoid  
example showing abutment of  
different modules and edges

## Unium: flip and rotate

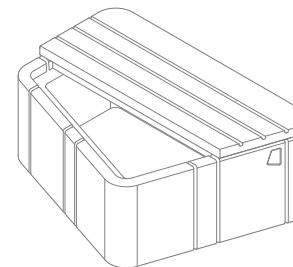
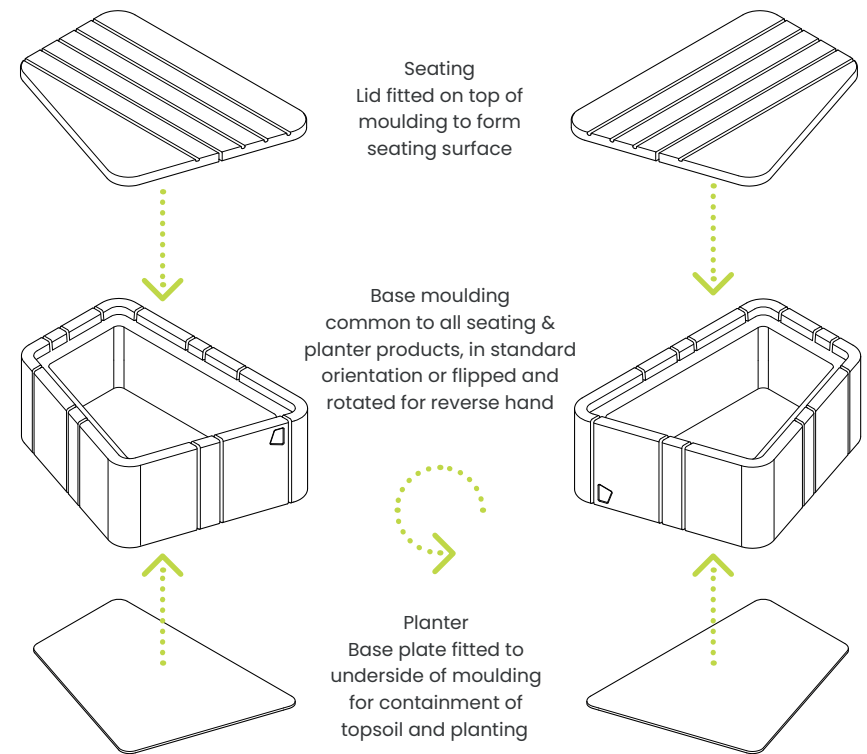
A particular unique feature of the Unium design is that the base moulding is common to all seating and planter modules by virtue of it being able to be flipped and rotated, and used in either of its upright orientations.

The base moulding is essentially a ring, to which either a lid and / or a base is added. Creating a number of seating and planter combinations.



From a single common base moulding, which can be flipped and rotated for a reverse hand version of the trapezoid in plan, 14 different individual modules are created, offering:

- 4 all-seating units, each with a different platform configuration and detailing
- 2 all-planter units, in the standard and reverse hand forms
- 8 split seats / planters, each with a different half for the planting and with seating platform details to match the all-seating units
- Full seating platforms accommodate a minimum of 3-4 adults and half platforms generally 2 people, though when used in children-centric locations they can offer an increased seating capacity.



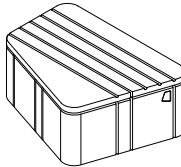
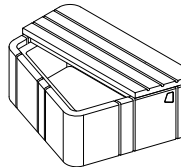
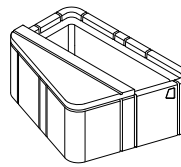
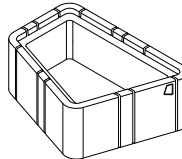
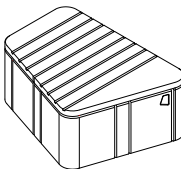
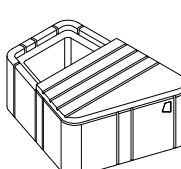
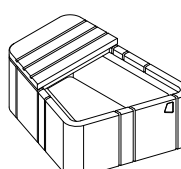
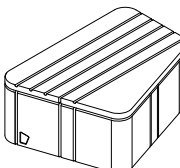
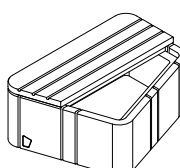
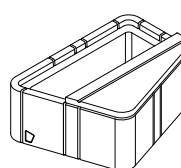
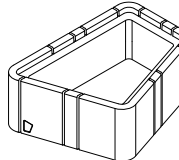
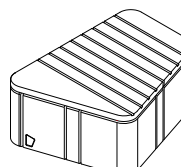
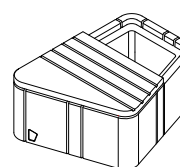
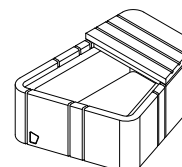
Planter with part seating platform.  
A planter can also have just a part lid to provide a small seating surface. Seating platforms can be at either side or end, with further options on the direction of the feature lines. With standard and reverse hand options this gives 8 possible configurations, all using a common base moulding.



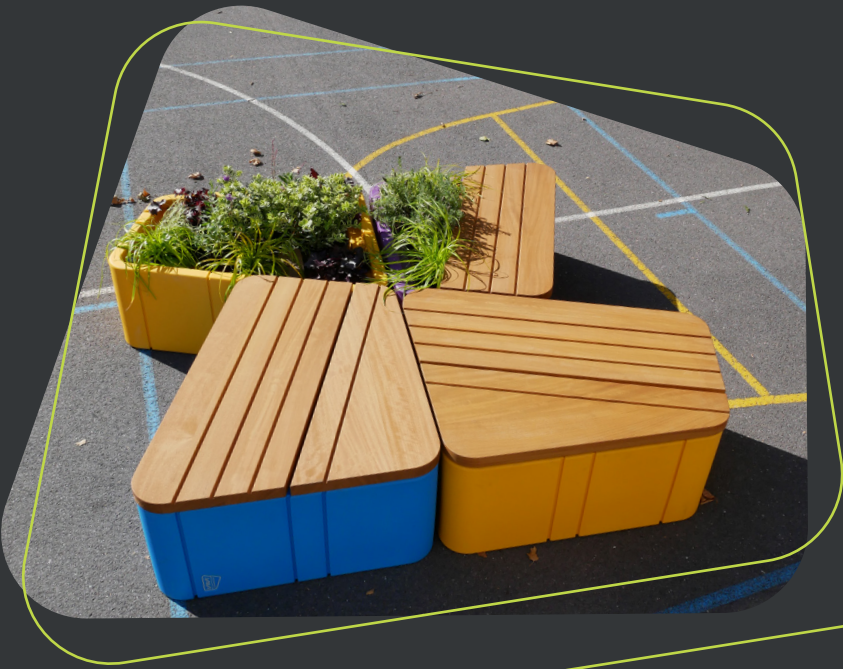
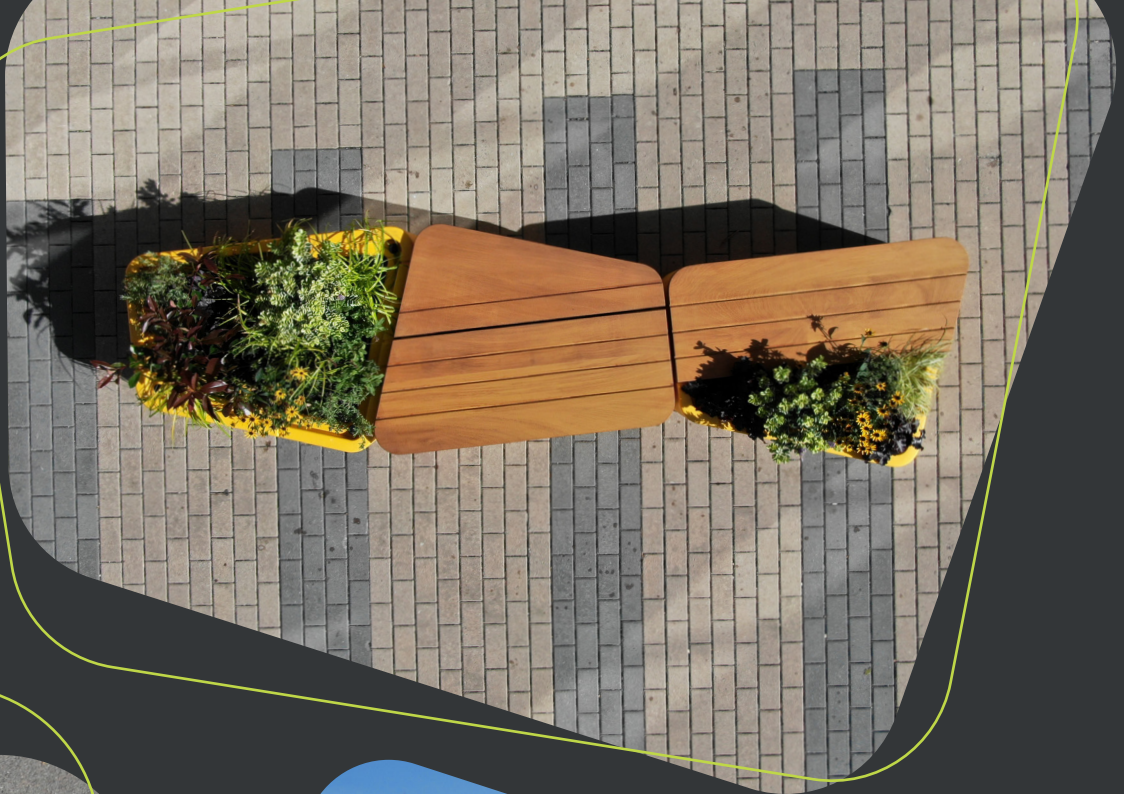
## Module options

From a single common base moulding, which can be flipped and rotated for a reverse hand version of the trapezoid in plan, 14 different individual modules are created, offering:

- 4 all-seating units, each with a different platform configuration and detailing
- 2 all-planter units, in the standard and reverse hand forms
- 8 split seats / planters, each with a different half for the planting and with seating platform details to match the all-seating units
- Full seating platforms accommodate a minimum of 3-4 adults and half platforms generally 2 people, though when used in children-centric locations they can offer an increased seating capacity.

		FULL BENCH	PLANTER WITH HALF BENCH PLATFORM		FULL PLANTER
			(Larger Bench / Smaller Planter)	(Smaller Bench / Larger Planter)	
STANDARD MODULE	Longitudinal Timbers				
	Transverse Timbers				
REVERSE HAND MODULE	Longitudinal Timbers				
	Transverse Timbers				











## Plastic base unit

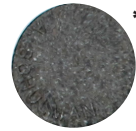
Uniun bench and planter base module is manufactured in the UK from rotationally-moulded LLDPE (linear low density polyethylene) it is fully recyclable and is available in a wide range of colour options. All colours are classified as all 'through-colours' (i.e. not just a surface coating) which means scuffs will not expose any base material of a different colour.

Standard colour options are shown here:

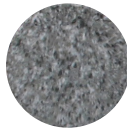
\*We offer special colours for large volumes  
Black is offered in fully recycled material

### • Mottled / stone effect colours

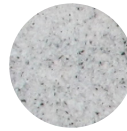
These colours comprise a mix of colours that combine as a mottled finish, with the benefit of better disguising scuffs and marks.



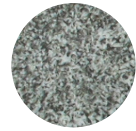
9210



9206



9230



9232



9207



Black

### • Neutral / Natural colours

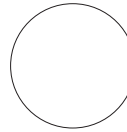
Flat neutral colours help accentuate the contrasting natural colour and texture of the timber top on benches and greenery in planter modules.



7276  
Dark Grey



7275  
Light Grey



1000  
White



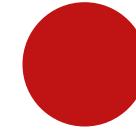
6137  
Dark Green



6136  
Light Green

### • Bright colours

Vibrant colours make a bold statement and brighten up any space. They are particularly popular in lower school environments.



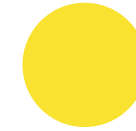
4518  
Red



4515  
Pink



3601  
Orange



2704  
Yellow



5417  
Purple



5747  
Light Blue



5748  
Dark Blue



## Timber bench top

Bench tops are manufactured from Ikoro – a West African hardwood that is rich in natural oils and with a 'Very Durable' classification. As standard we apply a UV protective finish in a 'teak' colour, which helps to retain the natural colouration of iroko and protect the timber over a longer period. To maintain a good long term colouration we would typically recommend re-coating after 12 months. Other colours are available or if preferred, bench tops can be supplied in a natural untreated state, without any finish coat.

### • Natural timber colours

Teak is our standard colour as it is closest match to natural iroko. All natural colours allow the grain of the iroko to clearly show through the finish coat.



Teak



Honey



Movingui

### • Neutral colours

Greys and blacks can be particularly effective when combined with plastics base mouldings in the bright colour range.



Grey



Graphite



Ebony

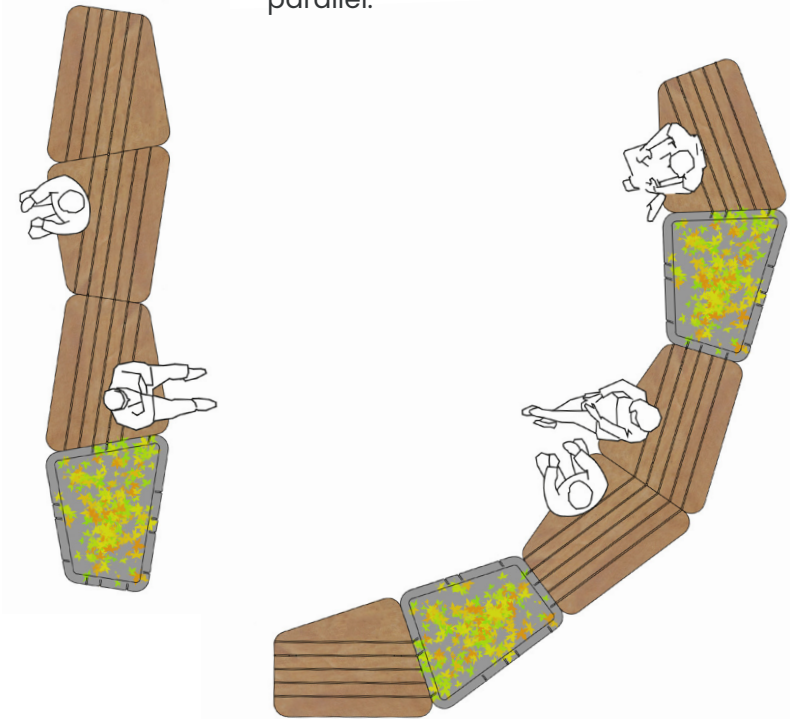


# Formal geometric Configurations.

The trapezoid shape of the Union module means they can be placed together in geometrical arrangements that are both decorative and functional at the same time. Layouts can be created using linear or island forms and mixing seating and planter units can further reinforce the geometrical patterning.

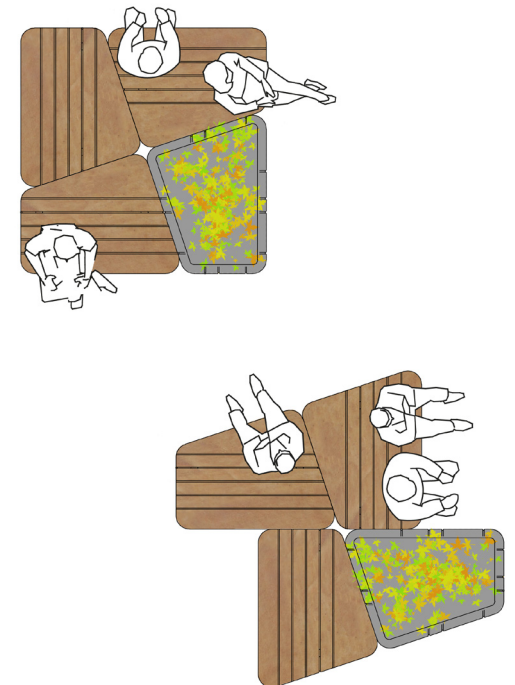
## Linear layouts, straight and angled

Linear arrangements can be straight, angled, or a combination of the two. This is created by joining adjacent modules on singular sides. As with creating angled layouts as opposite sides of individual modules aren't parallel.



## Islands

You can create large, solid island configurations by placing adjacent modules so that two of their adjacent sides touch the neighbouring unit. Combining seating and planter modules to this effect are well suited to large open spaces.



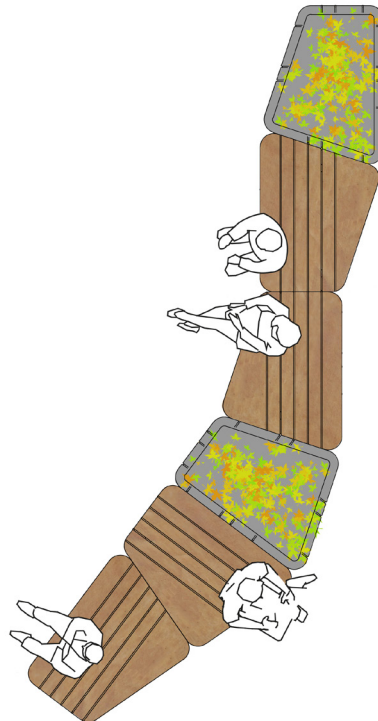


# Informal organic Configurations.

When arranging modules more informally, almost any overall shape and size can be achieved and visually much more interesting. With more changes in direction the seating in particular can be less formal and more fun to use. Again, arrangements can be broadly viewed as either linear or island, as shown on the examples below, but these can be combined to form almost any layout.

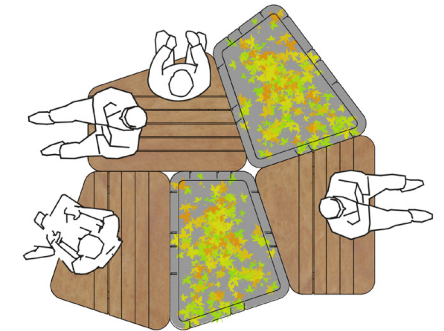
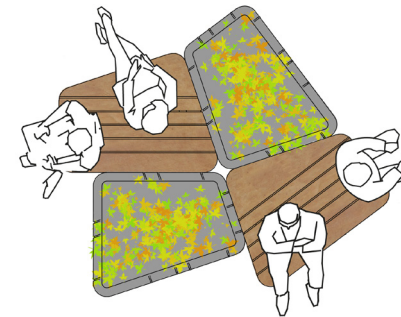
## Linear layouts, straight and angled

You can join adjacent modules on random different sides using standard and reverse hand units. Variable seating platform types and occasional planters can create an informal linear chain, much like an island archipelago.



## Island clusters

When seating modules are clustered they form larger scale platforms, facing different directions and with an informal perimeter edge. Adding planters provides green buffers between the seating, creating small more private and informal seating areas.



# Uniun all-seating modules.

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), supplied c/w 2 no. ground fixing plates for bolting down

Iroko laminated seating platform, smooth planed with UV protective finish (teak)

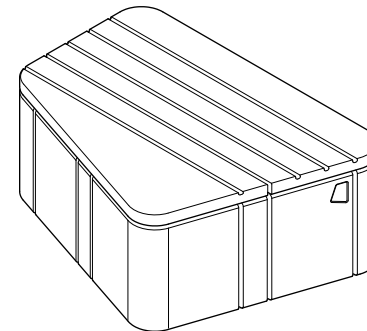
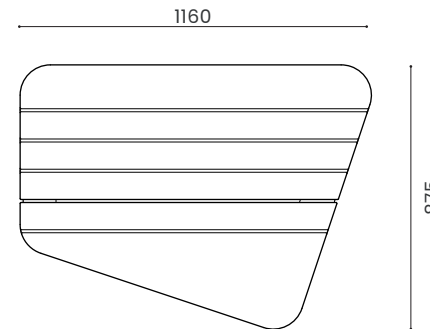
1160mm x 875mm overall plan x 480mm high

## Options (ALL MODELS):

- Base moulding in alternative colours
- Timber platform in alternative colour UVP treatment

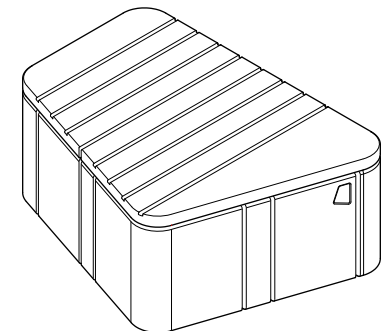
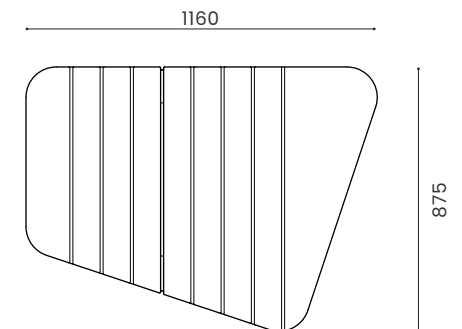
## UNI SBL

Seating unit,  
full-size platform with  
longitudinal feature lines



## UNI SBT

Seating unit,  
full-size platform with  
transverse feature lines



# Uniun reverse hand modules.

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), supplied c/w 2 no. ground fixing plates for bolting down

Iroko laminated seating platform, smooth planed with UV protective finish

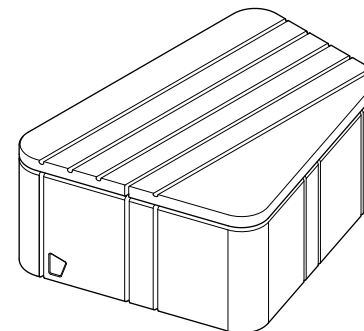
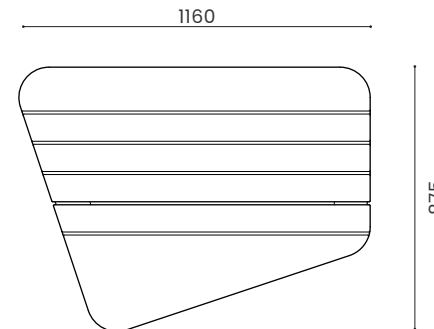
1160mm x 875mm overall plan x 480mm high

## Options (ALL MODELS):

- Base moulding in alternative colours
- Timber platform in alternative colour UVP treatment

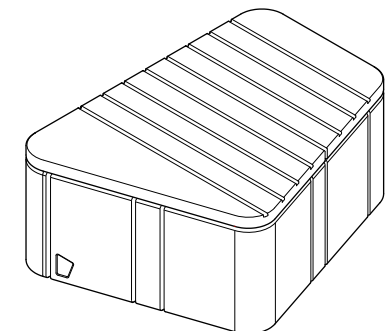
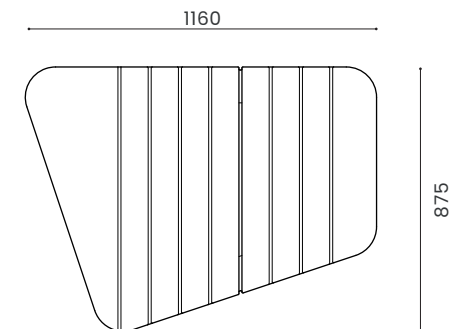
## UNI RBL

Seating unit,  
full-size platform with  
longitudinal feature lines



## UNI RBT

Seating unit,  
full-size platform with  
transverse feature lines





# Uniun planter modules with half seating platform (majority seating).

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), with a steel base plate

Iroko laminated seating platform, smooth planed with UV protective finish

1160mm x 875mm overall plan x 480mm high

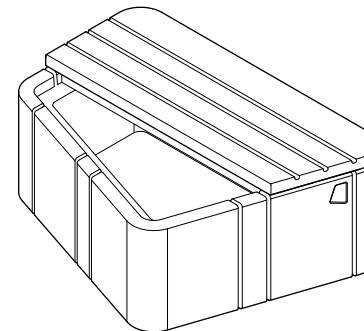
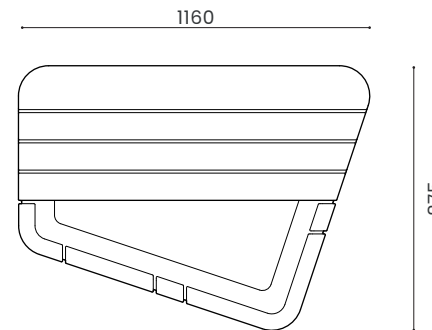
Planter capacity 150 litres

## Options (ALL MODELS):

- Base moulding in alternative colours
- Timber platform in alternative colour UVP treatment
- Ground fixing plates (pair) for bolting down (generally not required as filled planter typically weighs 200-300kg)

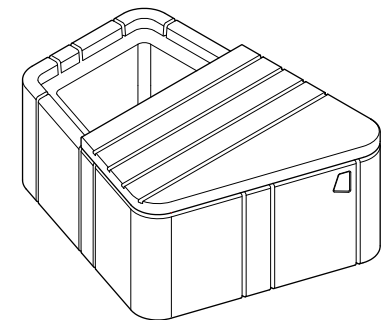
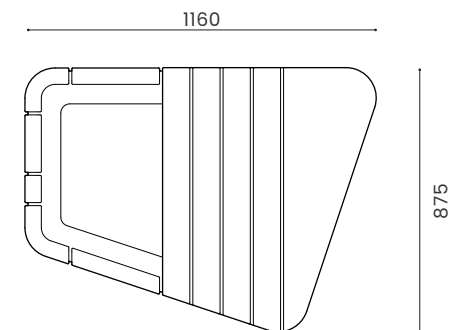
## UNI SLL

Planter with longitudinal half seating platform



## UNI SLT

Planter with transverse half seating platform



# Uniun planter modules with half seating platform (majority seating) reverse hand modules.

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), with a steel base plate  
Iroko laminated seating platform, smooth planed with UV protective finish

1160mm x 875mm overall plan x 480mm high

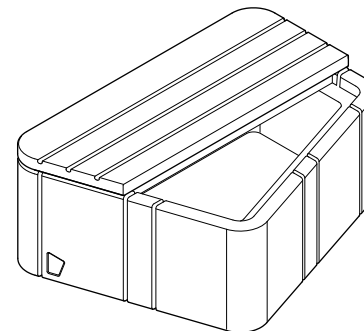
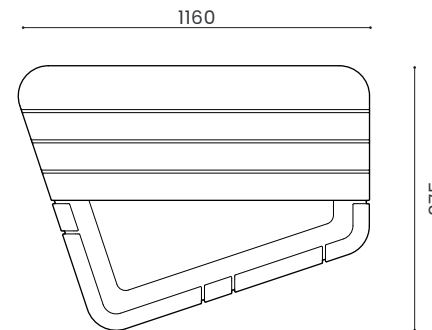
Planter capacity 150 litres

## Options (ALL MODELS):

- Base moulding in alternative colours
- Timber platform in alternative colour UVP treatment
- Ground fixing plates (pair) for bolting down (generally not required as filled planter typically weighs 200-300kg)

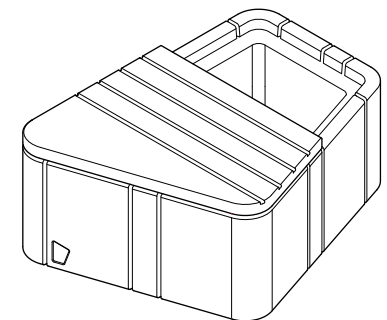
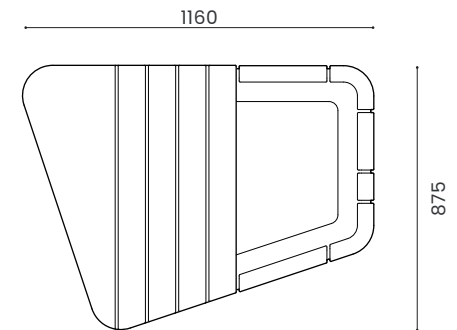
## UNI RLL

Planter with longitudinal half seating platform



## UNI RLT

Planter with transverse half seating platform



# Uniun planter modules with half seating platform (majority seating).

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), with a steel base plate

Iroko laminated seating platform, smooth planed with UV protective finish

1160mm x 875mm overall plan x 480mm high

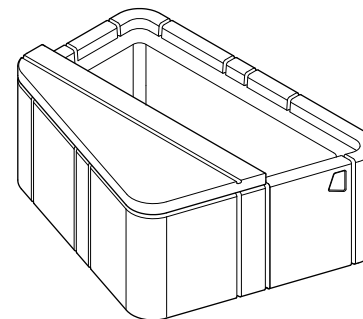
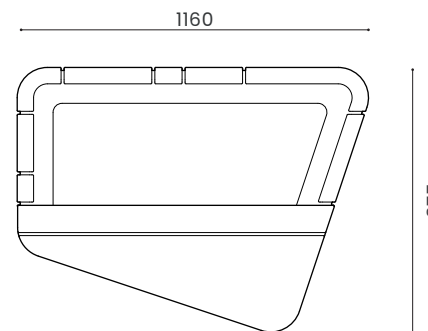
Planter capacity 150 litres

## Options (ALL MODELS):

- Base moulding in alternative colours
- Timber platform in alternative colour UVP treatment
- Ground fixing plates (pair) for bolting down (generally not required as filled planter typically weighs 200-300kg)

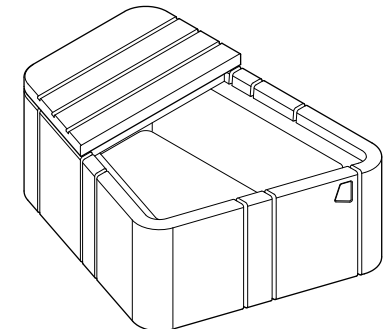
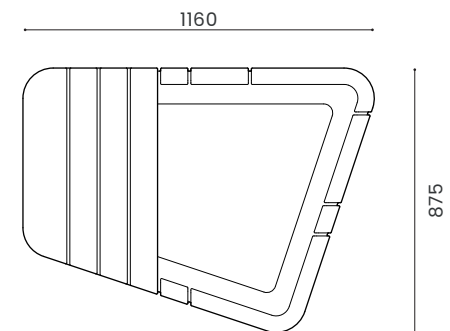
## UNI SSL

Planter with longitudinal half seating platform



## UNI SST

Planter with transverse half seating platform





# Uniun planter modules with half seating platform (majority seating) reverse hand modules.

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), with a steel base plate  
Iroko laminated seating platform, smooth planed with UV protective finish

1160mm x 875mm overall plan x 480mm high

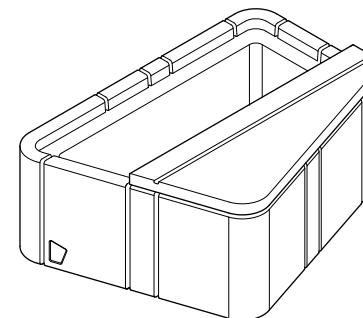
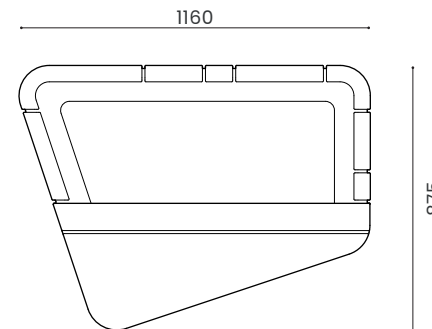
Planter capacity 150 litres

## Options (ALL MODELS):

- Base moulding in alternative colours
- Timber platform in alternative colour UVP treatment
- Ground fixing plates (pair) for bolting down (generally not required as filled planter typically weighs 200-300kg)

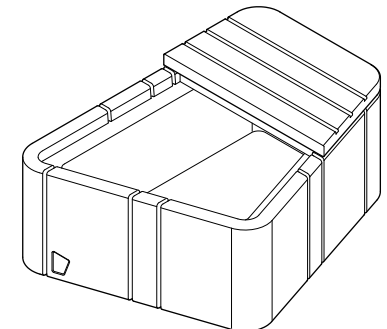
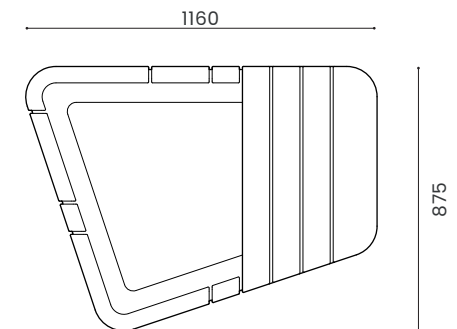
## UNI RLS

Planter with longitudinal half seating platform



## UNI RST

Planter with transverse half seating platform



# Uniun all-planter modules.

## General specification:

Low density polyethylene base moulding, mottled dark grey (ref. 9210), with a steel base plate, supplied c/w brackets for bolting down

1160mm x 875mm overall plan x 480mm high

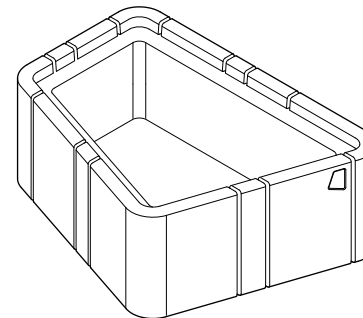
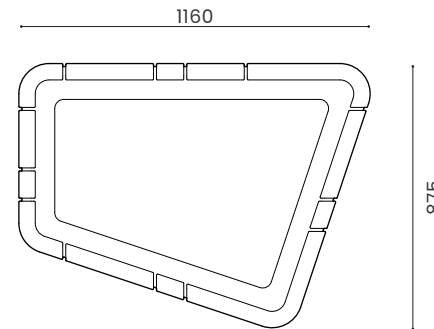
Planter capacity 150 litres

## Options (ALL MODELS):

- Moulding in alternative colours

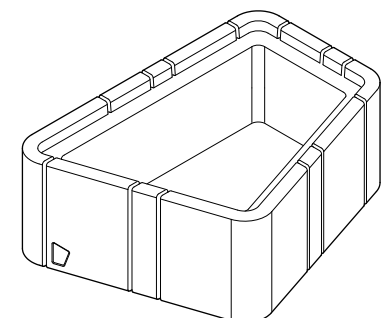
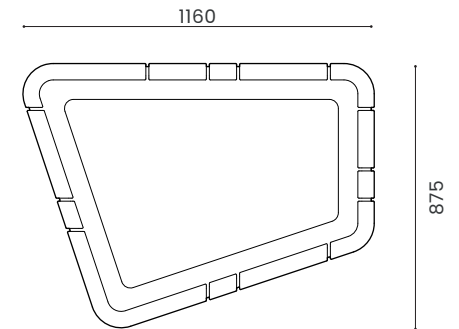
## UNI SFP

Planter unit



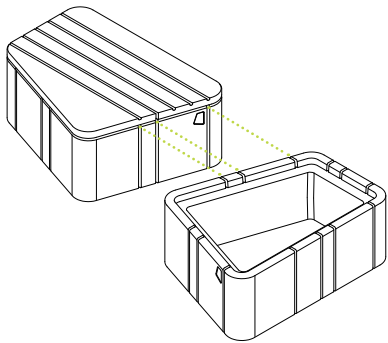
## UNI RFP

Planter unit,  
reverse module

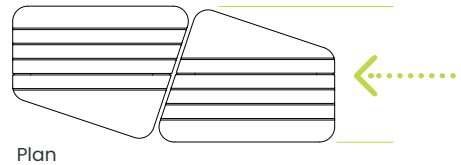


# Placement and Alignment.

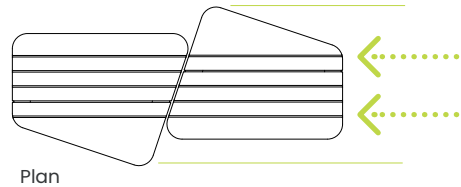
Grooves on both the side faces of the base moulding and on the top face of the seating platform are designed to aid placement of adjacent modules, in many different configuration options, as shown on the examples below.



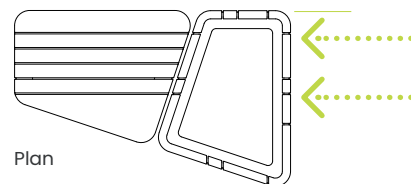
Aligning centre lines of adjacent seating platforms



Aligning outside lines of adjacent seating platforms



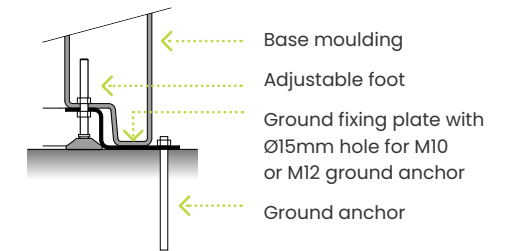
Aligning seating platforms and planters



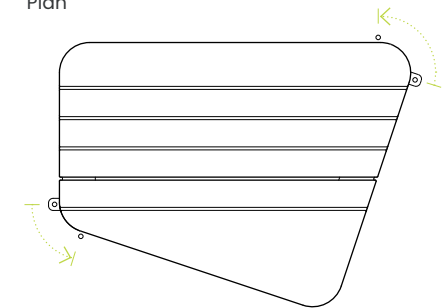
# Levelling and fixing down.

All modules have adjustable feet, allowing for levelling on sloped ground, up to 50mm height difference on adjacent feet. At secure sites, products can be left freestanding. Seating modules are supplied with 2 no. fixing plates for bolting down. A filled planter typically weighs 200-300kg, so generally will not require fixing down, though ground fixing plates can be supplied if required.

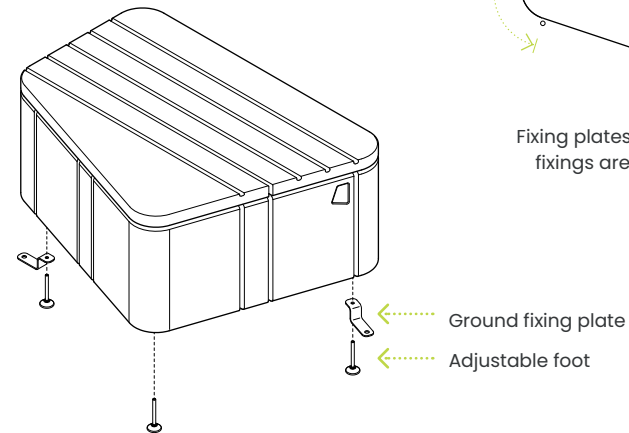
Section



Plan

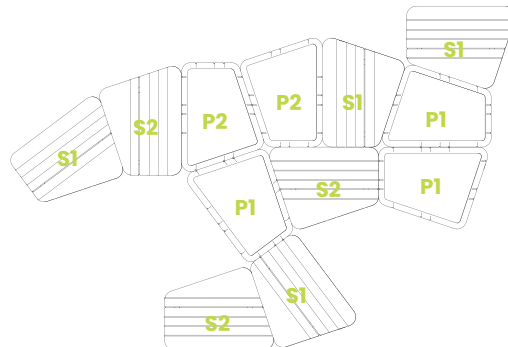


Fixing plates can be rotated so that ground fixings are located in discrete positions



# Endless Possibilities.

Uniun is a trapezoid-shaped building block that lends itself to unusual angular configurations that can create unique combinations of multi-directional seating and planters. Modules can be arranged in straight lines, clusters or even to create seating alcoves. Planters can be used to provide green buffers, so that seating spaces become more private. These types of arrangements are ideal for large open paved spaces, introducing seating and planting in a coordinated range of contemporary-styled products.



Key: Modules shown on example configuration:

## Seating

**S1** Full platform module

**S2** Full platform reverse hand module

## Planters

**P1** Planter module

**P2** Planter reverse hand module

All platforms are longitudinal feature line versions. Platforms with transverse feature lines and half bench / half planter combinations offer more variety.





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