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Reference:
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Flow Range

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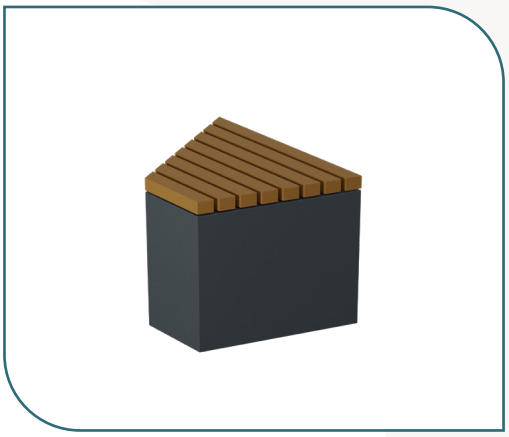
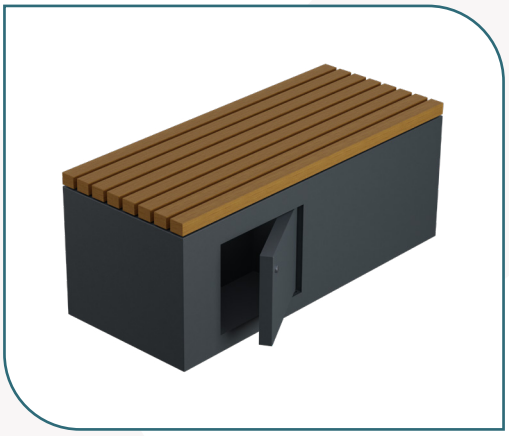
Flow 45° Planter



Flow 45° Bench

Flow Straight Planter Bench



Flow Straight Bench

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FLOW MODULARS

PRODUCT NAME	PRODUCT CODES	FINISH	THICKNESS	WEIGHTS (KG)		KEY DIMENSIONS (Length, width, height in mm)	SOIL SPACE	FIXINGS REQUIRED
				With top bench	Without top bench			
Flow Straight Bench	231013	CORTEN Steel UW*	3mm			Depth: 500 Width: 1200 Height: 490	N/A	• Stainless Steel wood screws • Self-tapping screws • Fixing mechanism for bench top • Nylon washers • Countersunk stainless steel wood screws
	231017	Mild Steel PC**		64.23	56.00			
Flow Straight Planter Bench	231012	CORTEN Steel UW*	3mm			Depth: 500 Width: 1200 Height: 490	0.13	
	231016	Mild Steel PC**		60.99	56.00			
Flow 45° Bench	231011	CORTEN Steel UW*	3mm	21.06		Depth: 462 Width Front: 225 Width Back: 600 Height: 490	N/A	
	231015	Mild Steel PC**						
Flow 45° Planter	231010	CORTEN Steel UW*	3mm			Depth: 462 Width Front: 225 Width Back: 600 Height: 435	0.08	
	231014	Mild Steel PC**		26.66	21.06			

* Unweathered ** Powder Coated

APPLICATION

The Flow Range Application empowers customers and architects to envision and plan the desired trajectory across the terrace for their modules. This pathway can take the form of planters or benches, offering limitless opportunities for customization. Additionally, the angled sections, each set at 45 degrees, enable smooth navigation around corners by combining two of them.

Within both the full bench and half bench units, storage options are available. These compartments serve as secure repositories for small to medium-sized items, ideal for safeguarding maintenance equipment or electrical essentials such as battery packs and extension leads.

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INSTALLATION INFORMATION

During the installation of the Flow Range, it is a straight forward process of securely attaching it to the furniture structure panel beneath using tek screws. However, it's important to exercise caution and follow a specific sequence: first, bolt down the base section, then affix the wooden slats and comb using screws.

Subsequently, on-site, the tiles will be cut to fit around the Flow Range. Given the straightforward nature of the Flow Range base, this step should present minimal challenges. For more information, please see our install guide.

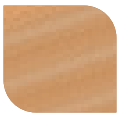
PRODUCT FINISHES

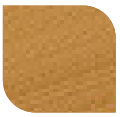
The finishes for the metal sections will be either Powder-Coating or CORTEN. This can be decided by the Architect or Customer.

The Woods will all be unfinished, as they are Hard-Woods, except for European Redwood, which will need a ROXIL cream applied. This is a water repellent and protects the wood for 10+ years.

Choose from these finishes:


Iroko


European Redwood


European Oak


CORTEN


RAL Colours

SUSTAINABILITY

Flow is crafted from three material options: Untreated steel, Corten A, or Stainless Steel, and it boasts 100% recyclability. Consequently, Flow stands out for its outstanding whole-life cost, as it is marketed with recycling in mind rather than incurring disposal costs. The primary component in steel production is iron, ranking second only to aluminum in terms of its natural abundance in the Earth's crust. Considering current extraction rates, there exists a sufficient iron supply to sustain production for well over 1000 years.

STEEL

Mild steel is widely recognized as a sustainable material for several compelling reasons:

1. **Longevity and Durability**
   Mild steel boasts exceptional longevity and durability. When compared to less robust materials, it provides extended service over many years. For instance, while other materials may require annual replacement, using mild steel every five years significantly reduces the environmental impact, as it necessitates less energy for continuous replacement.

2. **Versatility**
   Mild steel offers high versatility in terms of shapes and sizes during production. Its malleability allows it to take on various forms, making it highly adaptable and suitable for a wide range of applications.

3. **Recyclability**
   One of the most significant sustainable advantages of mild steel is its recyclability. While the percentage of recyclable content may vary by type, it typically contains a high percentage of recyclable material. This aligns seamlessly with its versatility, as any surplus steel from manufacturing processes can be repurposed for smaller products or recycled, making it an environmentally friendly metal choice.

4. **Absence of Harmful Chemicals**
   Unlike some other metals, the production of mild steel does not involve the release of harmful chemicals or toxins. This characteristic contributes to its eco-friendliness.

WOOD

Wood stands out as one of the most sustainable materials available, primarily due to its carbon-neutral life cycle. It can be grown and harvested repeatedly and is entirely recyclable. Some woods may be considered more sustainable than others due to their longer growth periods before harvest. Nevertheless, all wood is 100% renewable. Longer growing times often result in better physical properties, such as increased hardness, strength, and resistance to warping, bending, or bowing.

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PRODUCT MAINTENANCE

STEEL

Within the Flow range, you have two steel options to choose from: Powdercoating or CORTEN. Both of these choices demand minimal to no maintenance, as there will be no significant interaction between this component of the product and the user.

WOOD

At present, all hardwoods are provided without any finish. This is attributed to their inherent capacity to endure prolonged exposure to outdoor conditions. In the case of softwoods, they are treated with the ROXIL cream, which enhances their resilience to outdoor elements.

FIRE PROTECTION

The latest building regulations exclusively pertain to building components categorized as 'specific attachments.' This category encompasses features like balconies, cladding, and decking. However, it does not encompass any external street furniture deployed on building rooftops.

PROTECTIVE EQUIPMENT

We recommend that PPE (Personal Protective Equipment) is used when installing the Flow Range:

a) Good strong safety boots/shoes to protect the feet.

b) Protective eyewear such as safety glasses.

c) Strong gloves to protect the hands.

d) If using loud cutting equipment then ear plugs or defenders should be worn.

STORAGE AND HANDLING

The product is securely packed and sealed within transparent plastic sleeves to prevent any movement during transportation. Depending on the size or weight of the shipment, palletization may be employed.

Although there are no specific weight restrictions regarding safe manual handling, it is essential to conduct a health and safety risk assessment. Appropriate measures should be implemented to mitigate the risk of injury to a reasonable extent. The following guidelines may prove beneficial:

a) Adequate training in manual handling techniques should be provided to all individuals involved.

b) When handling substantial quantities of cartons, consider utilizing handling aids such as trolleys, forklifts, pallet trucks, or conveyors.

c) For large consignments, it is advisable to divide them into smaller, more manageable loads.

d) Store the product at a reasonable height to avoid the need for lifting cartons from floor level or above shoulder height.

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