



Product & Installation Guide

Urban

Heavy-duty steel landscape edging



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Heavy duty steel edge for hard or soft landscape applications available in various thicknesses and four different types of steel: Corten A (C), Galvanised (G), Powder Coat (PC) and Untreated (U). Powder coat finishes available on request.



Benefits:

- Flexible design creates bespoke curves and lines in lawns, plant bedding and pathways
- Strong form and highly corrosion resistant for high traffic landscapes
- Seamless fixings and connections give a beautiful, smooth appearance
- Made from sustainable materials and 100% recyclable

Suitable for:

- Imprinted and plain concrete
- Tarmac and hot-lay surfaces
- Public park paths
- Driveways



Item code	Edging thickness (top fold)	Edging height	Edging length	Fixing stake length	Material	Recyclable
154010	3 mm	150 mm	2400 mm	450 mm	Corten A	100% recyclable
154011	3 mm	150 mm	2400 mm	450 mm	Galvanised	100% recyclable
154012	3 mm	150 mm	2400 mm	450 mm	Untreated	100% recyclable
154013	3 mm	150 mm	2400 mm	450 mm	Powder Coated to any RAL colour	100% recyclable
154014	3 mm	150 mm	2400 mm	450 mm	Corten A	100% recyclable
154015	3 mm	150 mm	2400 mm	450 mm	Galvanised	100% recyclable
154016	3 mm	150 mm	2400 mm	450 mm	Untreated	100% recyclable
154017	3 mm	150 mm	2400 mm	450 mm	Powder Coated to any RAL colour	100% recyclable

Accessories

Item code	Product properties	Pack Qty
155010	3 mm Untreated Connection Plate	5
155011	3 mm Galvanised Connection Plate	5
155012	6 mm Untreated Connection Plate	5
155013	6 mm Galvanised Connection Plate	5
155014	Fixing stake	5
152018	Fixing Kit	20

ExcelEdge Urban

Product & Installation Guide

Tools Required

- ✓ Hammer
- ✓ Angle grinder
- ✓ Level
- ✓ Tape measure
- ✓ Spray paint
- ✓ String line
- ✓ Shovel / spade

Fixings included

- ✓ 450mm Fixing Stake
- ✓ Connector Bracket
- ✓ MB Hex Bolt
- ✓ MB Penny Washer
- ✓ MB Flange Nut



Standard method to compacted MOT Type 1 sub-base or similar material

- ### 1 Sub-base & set out

Lay suitable sub-base to required depth. Thorough compaction of the sub-base is essential to ensure a successful installation. Ensure sub-base extends 100-150mm beyond the prepared edge restraint line.

A concrete foundation and haunch may be required in certain instances. Please call our technical team if you have any queries.
- ### 2 Laying the edging

Lay the edging in place and fix through the welded tubes with the Fixing Stakes provided. Use these Stakes to create an anchor point if you need to flex the product to a curve.

Ensure that the welded tubes and connectors are on the side of the edging that is least likely to be seen once installation is complete.
- ### 3 Connecting the edging

Connect each edging length with the Connector Bracket provided.
- ### 4 Laying surfaces

Lay final surface.

Backfill behind edging or lay additional hard surface as required.
- ### 5 Hot lay surfacing

Compact surfacing with roller. Ensure first pass with roller is 50mm clear of Urban edging, with vibrating function turned off.

Final pass should be made as close to the edge as possible.

On the final wearing course, and where applicable, roller should be run over edge of Urban edging to ensure full compaction and a neat finish.

Handling and hazards



HEAVY SEGMENTS!
Requires two persons to lift each segment – or mechanical lifting device.



HEAVY ITEMS!
Wear steel toe protection.



SHARP CORNERS AND EDGES!
Wear gloves



BE SAFE!
Wear high visibility clothing, hard hats, and any other PPE required on site.

DISCLAIMER

These instructions are for guidance only and the installer is responsible to use their discretion to install the products in the best possible way for their respective application. Kinley Systems will not be held liable for product failure or poor performance as a result of poor quality installation. If any errors are found in this guide please email us at sales@kinley.co.uk.

SUPPORTING DOCUMENTS

More information on the Urban edging products can be found at www.kinley.co.uk in the Resource Centre.

ExcelEdge Urban

Product & Installation Guide

Applications

To edge or demarcate most hard landscape surfaces. Also serves as a soft landscape edge restraint. Suitable for parks, playgrounds and around building perimeters. Urban edging has a high resistance to corrosive conditions in normal environments. It also has a high resistance to heat making it suitable for use with hot asphalt or tarmacadam.

Installation information¹

Hard Landscape: By haunching the edging in a reasonably dry mix 3:1 sharp sand / cement. Secure using 450mm Fixing Pins.

Soft Landscape: By mounting the edging on compacted subsoil using 450mm Fixing Pins and backfilling with landscape surfacing. If required, intermediate supports such as small slabs or bricks can be inserted under the edging approximately every 1.5m.

Storage & Handling

The product is securely packed onto a wooden splint and sealed in clear plastic sleeving to ensure no movement of the product in transit. Depending on the size / weight of the consignment this may be palletised.

Whilst there is no specific weight restrictions on what is or is not safe to lift in manual handling, an assessment of the health and safety risks should be undertaken and measures taken to reduce the risk of injury so far as reasonably practicable.

The following guidelines may be useful:

- Each person should be fully trained in manual handling techniques.
- The use of handling aids such as a trolley, folk-lift, pallet truck or conveyor should be used if moving large volumes of cartons.
- Break up large consignments into more manageable loads.
- Ensure that the product is stored at a reasonable height, so avoiding the lifting of cartons from floor level or above shoulder height.
- Reduce carrying distances of cartons.

Protective Equipment

We recommend that PPE (Personal Protective Equipment) is used when installing Urban:

- Good strong safety boots/shoes to protect the feet.
- Protective eyewear such as safety glasses.
- Strong gloves to protect the hands.
- If using loud cutting equipment then ear plugs or defenders should be worn.

First Aid

The Health and Safety Regulations 1981 require all construction sites to have the following:

- A first aid box with enough equipment to cope with the number of workers on site.
- An Appointed Person to take charge of first-aid arrangements. The Appointed Person looks after first aid equipment and facilities and calls the emergency services when required. Appointed Persons do not need first aid training.
- A First-Aider who has undertaken training and holds an HSE approved qualification to administer first-aid. This means that they must hold a valid certificate of competence in either:
 - First aid at work (FAW) issued by a training organisation approved by HSE
 - Emergency first aid at work (EFAW) issued by a training organisation approved by HSE
 - A recognised Awarding body of Ofqual/Scottish Qualifications Authority.
- The number of first-aiders will depend on the site.
- Information should be clearly displayed on site telling workers the name of the Appointed Person(s) or First Aider(s) and where to find them.

Fire Protection

Urban edging is made using Corten A, Galvanised, Powder Coated or Untreated Steel, none of which burn nor pose a fire hazard.

Stability

Corten A, Galvanised and Coated Steels are high performance materials that display excellent resistance to atmospheric corrosion when compared to other steels, making them exceptionally suitable for landscape edge restraint applications. Corten A is a type of weathering steel which was developed to remove the need for regular painting and rust-prevention maintenance. This is achieved by the formation of a natural stable coating of dark brown oxidation across the metal's surface which acts as a barrier to the corrosive effects of rain, snow and other weather conditions.

Galvanised Steel is manufactured by coating hot-rolled mild carbon steel with a thin layer of zinc. This zinc layer provides a far greater level of protection against the elements than the steel alone and inhibits rust formation.

Powder Coating combined with galvanised coating provides extra layers of protection whilst offering a custom colour also.

Untreated Steel has had no finish applied to the hot-rolled mild carbon steel product. As such, a protective coating of dark brown oxidation will form across the metal's surface which will act as a barrier to the corrosive effects of rain, snow and other weather conditions.

ExcelEdge Urban

Product & Installation Guide

Environmental Issues

Urban is manufactured from either Corten A, Galvanised, or Untreated Steel and is 100% recyclable. As a result the whole life cost of steel Urban edging is excellent as it is sold for recycling not paid disposal. The principal element used in the production of steel is iron, which is second only to aluminium in terms of natural abundance in the Earth's crust. At current extraction rates there is enough iron to last another 1000+ years.

Supporting Documents

More information on the Urban products can be found at www.kinley.co.uk in the Resource Centre. In particular, look for the CAD Drawings, Installation Guide and Edging Book.

