

RAINEDGE

Steel landscape edging for rain gardens and commercial traffic zones

Advanced landscape edging solution designed specifically for rain gardens, providing a durable and sustainable alternative to traditional concrete kerbing.

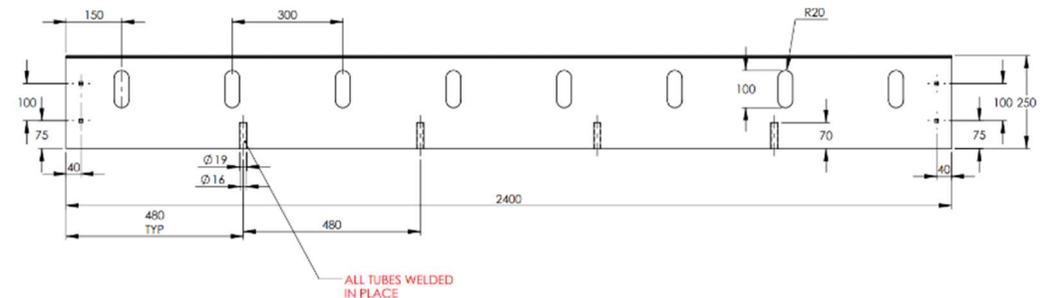


SCAN HERE

- Rigid and Flexible design for bold visual impact
- Integrated slots along profile to enhance drainage efficiency
- Made from sustainably materials and 100% recyclable



C Corten	U Untreated	G Galvanised	
G Ground	Pedestrian Use	Light Traffic	Commercial Traffic



Specification

Product Type	Steel landscape edging for rain gardens
Manufactured to Product Type	Designed and Manufactured in the UK BS EN 9001
Edging Finish	CorTen weathering steel / Galvanised steel / Untreated steel / Powder coat finishes to order
Edging Heights	250mm or 300mm
Edging Thickness (top bead)	3mm & 6mm
Edging Length	2400mm
Corner Profiles	Preformed 90° corner sections (Internal & External, 150×150mm)
Top Edge	Folded top edge (suitable for public spaces such as schools)
Fixings	450mm rebar stakes & connector brackets
Accessories	Rebar fixing stakes, galvanised/untreated connection plates
Tightest Radius by Hand	3mm thickness = 3000mm / 6mm thick = 5000mm <i>*Folded top rigid only</i>
Tightest Radius in Factory	300mm
Applications	Designed specifically for rain gardens; edges planting areas while allowing water infiltration
Durability	High resistance to weathering and corrosion (Corten, Galvanised & Powder coated options)
Fire Resistance	Class 1A
Recycled Content	Made from sustainable steel, 100% recyclable
Environmental Impact	Whole life cost is excellent as steel can be resold for recycling, not disposal
Installation	Installed on compacted subsoil or sub-base with fixing stakes; haunching with sand/cement mix recommended for heavy duty or hot-lay surfacing
Stability	Corten forms stable protective oxide layer; galvanised steel uses zinc coating for protection; powder coated adds colour and extra protection
Packaging	Supplied on wooden splints, sealed in plastic sleeving, palletised if required
Carbon Footprint	Lowered through use of recyclable steel and long service life





RainEdge

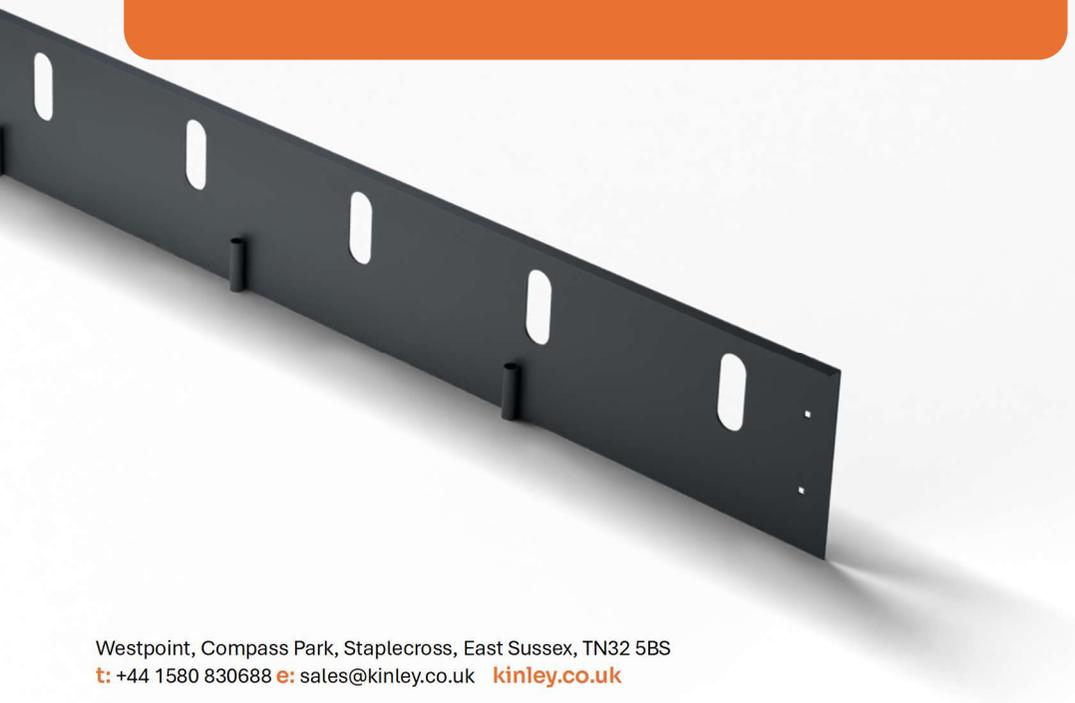
RainEdge allows for effective rainwater management, while supporting plant growth and biodiversity. The design includes 90-degree corner sections that allow for precise installation around planters and other features.

Benefits:

- Available with top fold for straight sections
- Flat profile for curved designs
- Preformed corners for perfect edges
- Slots for effective drainage
- Fully recyclable

Suitable for:

- Public realm
- Pathways
- Residential areas
- Sports areas
- Other rain garden landscaping
- High traffic locations



Stock – Flat Top Edging

Finish	Edging height (mm)	Weight (kg)	Thickness	Edging Length (m)	Item Code
Galvanised	250mm	13.6kg	3mm	2400mm	RA3ORIG250T030L2400S
	250mm	27.2kg	6mm		RA3ORIG250T060L2400S
	300mm	16.43kg	3mm		RA3ORIG300T030L2400S
	300mm	32.85kg	6mm		RA3ORIG300T060L2400S
Untreated	250mm	13.6kg	3mm		RA2ORIG250T030L2400S
	250mm	27.2kg	6mm		RA2ORIG250T060L2400S
	300mm	16.43kg	3mm		RA2ORIG300T030L2400S
	300mm	32.85kg	6mm		RA2ORIG300T060L2400S
CorTen	250mm	13.6kg	3mm		RA4ORIG250T030L2400S
	250mm	27.2kg	6mm		RA4ORIG250T060L2400S
	300mm	16.43kg	3mm		RA4ORIG300T030L2400S
	300mm	32.85kg	6mm		RA4ORIG300T060L2400S

**Powder coating options available to order*



Stock – Flat Top Corners

Finish	Edging height (mm)	Weight (kg)	Thickness	Profile (150x150mm)	Item Code
Galvanised	250mm	1.72kg	3mm	Internal	RA30ICO250T030L0000S
	250mm	3.44kg	6mm	External	RA30ECO250T060L0000S
	300mm	1.85kg	3mm	Internal	RA30ICO300T030L0000S
	300mm	3.70kg	6mm	External	RA30ECO300T060L0000S
Untreated	250mm	1.72kg	3mm	Internal	RA20ICO250T030L0000S
	250mm	3.44kg	6mm	External	RA20ECO250T060L0000S
	300mm	1.85kg	3mm	Internal	RA20ICO300T030L0000S
	300mm	3.70kg	6mm	External	RA20ECO300T060L0000S
CorTen	250mm	1.72kg	3mm	Internal	RA40ICO250T030L0000S
	250mm	3.44kg	6mm	External	RA40ECO250T060L0000S
	300mm	1.85kg	3mm	Internal	RA40ICO300T030L0000S
	300mm	3.70kg	6mm	External	RA40ECO300T060L0000S



Stock – Folded Top Edging **Only available in rigid*

Finish	Edging height (mm)	Weight (kg)	Thickness	Edging Length (m)	Item Code
Galvanised	250mm	14.71kg	3mm	2400mm	RA3ORIG250T030L2400T
	250mm	29.42kg	6mm		RA3ORIG250T060L2400T
	300mm	17.53kg	3mm		RA3ORIG300T030L2400T
	300mm	35.06kg	6mm		RA3ORIG300T060L2400T
Untreated	250mm	14.71kg	3mm		RA2ORIG250T030L2400T
	250mm	29.42kg	6mm		RA2ORIG250T060L2400T
	300mm	17.53kg	3mm		RA2ORIG300T030L2400T
	300mm	35.06kg	6mm		RA2ORIG300T060L2400T
CorTen	250mm	14.71kg	3mm		RA4ORIG250T030L2400T
	250mm	29.42kg	6mm		RA4ORIG250T060L2400T
	300mm	17.53kg	3mm		RA4ORIG300T030L2400T
	300mm	35.06kg	6mm		RA4ORIG300T060L2400T

**Powder coating options available to order*



Stock – Folded Top Corners

Finish	Edging height (mm)	Weight (kg)	Thickness	Profile (150x150mm)	Item Code
Galvanised	250mm	1.72kg	3mm	Internal	RA30ICO250T030L0000T
	250mm	3.44kg	6mm	External	RA30ECO250T060L0000T
	300mm	1.85kg	3mm	Internal	RA30ICO300T030L0000T
	300mm	3.70kg	6mm	External	RA30ECO300T060L0000T
Untreated	250mm	1.72kg	3mm	Internal	RA20ICO250T030L0000T
	250mm	3.44kg	6mm	External	RA20ECO250T060L0000T
	300mm	1.85kg	3mm	Internal	RA20ICO300T030L0000T
	300mm	3.70kg	6mm	External	RA20ECO300T060L0000T
CorTen	250mm	1.72kg	3mm	Internal	RA40ICO250T030L0000T
	250mm	3.44kg	6mm	External	RA40ECO250T060L0000T
	300mm	1.85kg	3mm	Internal	RA40ICO300T030L0000T
	300mm	3.70kg	6mm	External	RA40ECO300T060L0000T



Accessories

Product Description	Pack Qty	Weight (kg)	Qty required per 1m length	Item Code
Rebar fixing stakes	20	8.9kg	4	UB20FIX450T000L0000S
3mm 250mm untreated connection plate	5	0.785kg	1	RA20CON250T030L0000S
3mm 300mm untreated connection plate	5	0.785kg	1	RA20CON300T030L0000S
3mm 250mm galvanised connection plate	5	0.785kg	1	RA30CON250T030L0000S
3mm 300mm galvanised connection plate	5	0.785kg	1	RA30CON300T030L0000S



Product & Installation Guide

Tools Required

- Mallet
- Hacksaw / Angle Grinder
- Level
- Tape Measure
- Spray Paint
- String Light
- Shovel / Spade

Fixings

- 450mm Rebar Stakes
- Connector Bracket

1. Set-out

RainEdge can be installed onto sub grade as well as soil. Mark out (we recommend using stringline) the area where you want the edging to sit. Either compact the sub-grade or if using soil dig a shallow trench. A concrete 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

The bolted connectors are the same height as the height of the edging. Connect each edging length with the Connector Bracket provided. Rebar stakes are used to install through welded tubes.

4. Laying surfaces

Lay final surface, ensuring that the slots in the edging are exposed to allow for drainage. The height of the slots should be as per contractors' recommendations. 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 RainEdge 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 the RainEdge to ensure full compaction and a neat finish. Concrete haunching recommended for heavy duty or hot lay install, particularly where forming straight lines.



Handling & Hazards



CORNERS & EDGES

Wear gloves



BE SAFE! Wear gloves high visibility clothing, hard hats and any other PPE



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



HEAVY ITEMS! Wear steel toe protection

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 because 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 RainEdge edging products can be found at www.kinley.co.uk in the Resource Centre.

Product & Installation Guide

Applications

To edge or demarcate planting in rain gardens and provide a system whereby water can flow from the surrounding surfaces directly into the rain garden. This enhances drainage efficiency and supports the garden's role in filtering and managing stormwater. RainEdge is provided in three finishes and two profile types to allow flexibility in design.

Installation information

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

Soft Landscape: By mounting the edging on compacted subsoil using 450mm Rebar Stakes 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 are 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.

Fire Protection

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

Protective Equipment

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

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.

Product & Installation Guide

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 acts as a barrier to the corrosive effects of rain, snow and other weather conditions.

Environmental Issues

RainEdge is manufactured from either Corten A, Galvanised, or Untreated Steel and is 100% recyclable. As a result, the whole life cost of steel RainEdge 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 RainEdge products can be found at www.kinley.co.uk in the Resource Centre. Look for the CAD Drawings, Installation Guide and Edging Book.

