

ExcelEdge

Borderline

Suitable for delineating soft landscaping such as gardens and gravel paths



Brown Powder-coated

Galvanised

Untreated

Edging thickness	Edging height	Colour	Fixing stake length	Edging length	Item code	Recycling
2 mm	100 mm	Brown	305 mm	2000 mm	131015	100% recyclable
3 mm	100 mm	Brown	305 mm	2000 mm	131016	100% recyclable
3 mm	100 mm	Galvanised	305 mm	2000 mm	131017	100% recyclable
3 mm	100 mm	Untreated	305 mm	2000 mm	131018	100% recyclable
3 mm	150 mm	Brown	410 mm	2000 mm	131010	100% recyclable
3 mm	150 mm	Galvanised	410 mm	2000 mm	131011	100% recyclable
3 mm	150 mm	Untreated	410 mm	2000 mm	131014	100% recyclable
5 mm	150 mm	Untreated	410 mm	2000 mm	131013	100% recyclable

Description

Flexible steel edging restraint for soft landscape and aggregate pathway available in various heights, thicknesses and three different finishes: Brown Powder Coated (BR), Galvanised (G) and Untreated (U). Additional powder coat colours available on request.

Applications

To edge or demarcate lawn borders or loose aggregate surfaces. Powder Coated or Galvanised Borderline edging provides 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 surfacing.

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.

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Protective Equipment

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

- 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.

First Aid

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

- a) A first aid box with enough equipment to cope with the number of workers on site.
- b) 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.
- c) 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.
- d) The number of first-aiders will depend on the site.
- e) 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

Borderline is made using Galvanised or Untreated Steel, neither of which burn nor pose a fire hazard.

Stability

Galvanised Steel is a high-performance material that displays excellent resistance to atmospheric corrosion, making it exceptionally suitable for landscape edge restraint applications. 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. 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.

Environmental Issues

Borderline is manufactured from either Galvanised or Untreated Steel and is 100% recyclable. As a result the whole life cost of steel Borderline 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 Borderline products can be found at www.kinley.co.uk in the Resource Centre. In particular, look for the CAD Drawings, Installation Guide (IG-BL-0316) and Edging Book (BR-EB-0116).

Installation information

See page 3.

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Installation Information

2mm and 3mm thickness:

Install by mounting the edging using 305 mm Flat Fixing Stakes and backfilling with landscape surfacing. No haunching should be required.

5mm thickness:

Install by mounting the edging using 410 mm Flat Fixing Stakes and backfilling with landscape surfacing. Haunching is sometimes required to ensure stability of edging.



Installation into a compacted sub-base

The Borderline steel lawn edging can now be installed into a hard sub-base such as compacted MOT Type 1 using the alternative brackets into the loops which allows for the 450mm steel spiral spikes to be fixed into the sub-base. The image below shows an example of this in the brown powder-coated version.



The Installation Information given in this document is intended as a guide only. We recommend that professional opinions are obtained before work is commissioned. Kinley Systems Ltd accepts no responsibility for any damage or loss as a result of using the Installation Information. We will be happy to engage in any discussion with regard to specific project applications.

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