



Product & Installation Guide

Borderline

Premium Steel Edging for Gardens,
Pathways & Driveways

NEW AND
IMPROVED
DESIGN!

SEAMLESS INTERLOCKING
JOIN FOR A SECURE
INSTALLATION



Borderline

Suitable for delineating soft landscaping such as gardens and gravel paths.

Flexible steel edging restraint for soft landscape and aggregate pathway available in various heights, thicknesses and three different finishes: Powder-coated brown, Galvanised, and Untreated.



Edging thickness	Edging height	Edging length	Item code	Finish
1.8 mm	100 mm	1 m (Supplied in packs of 5)	131056	Untreated
2 mm	100 mm	2 m	131050	Untreated
3 mm	150 mm	2 m	131053	Untreated
1.8 mm	100 mm	1 m (Supplied in packs of 5)	131057	Galvanised
2 mm	100 mm	2 m	131051	Galvanised
3 mm	150 mm	2 m	131054	Galvanised
1.8 mm	100 mm	1 m (Supplied in packs of 5)	131058	Powder-coated brown
2 mm	100 mm	2 m	131052	Powder-coated brown
3 mm	150 mm	2 m	131055	Powder-coated brown

Note: Allow 10% wastage due to overlapping joins.

Benefits:

- Saves hours of backbreaking edge maintenance
- Flexible and hard-wearing
- Various finishes available
- Various thicknesses and heights for different applications

Suitable for:

- Kitchen gardens
- Loose gravel areas
- Rose gardens
- Allotments
- Flower beds
- Gravel garden paths
- Contemporary garden designs



100mm x 1.8mm x 1m



100mm x 2mm x 2m



150mm x 2mm x 2m



Brown Powder-coated



Galvanised



Untreated

Fixings (required for 2m lengths only, 1m lengths come with stakes attached)

Fixings (required for 2m lengths only, 1m lengths come with stakes attached)	Code
300mm Galvanised fixing stakes, pack of 15 (For 100mm Borderline)	132013-N
300mm Powder-Coated Brown fixing stakes, pack of 15 (For 100mm Borderline)	132012-N
300mm Untreated Fixing Stakes, pack of 15 (For 100mm Borderline)	132014-N
400mm Galvanised fixing stakes, pack of 15 (For 150mm Borderline)	132016-N
400mm Powder-Coated Brown fixing stakes, pack of 15 (For 150mm Borderline)	132015-N
400mm Untreated Fixing Stakes, pack of 15 (For 150mm Borderline)	132018-N

Tools Required

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

Fixings included

- ✓ 305/410 mm Flat Fixing Stake



Standard soft landscape application

1

Set out

Mark out the area you wish to install the edging into (using a spray marker or something similar) and dig a 100mm deep trench.



2

Laying the edging

Lay the edging in place ensuring the Flat Fixing Stakes are on the side of the edging that is less likely to be seen.

Fix the stakes through the loops in the back of the edging - do not fully fix down at this stage.



3

Connecting the edging

Join the lengths by lining up the ends and slotting into the interlocking connection.

If using the 1m lengths the ground stakes are attached, so simply lay the edging and use a wooden mallet to gently hit the top of the edge (use a wooden block if this helps) to ease it into the ground.



Handling and hazards



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 Borderline products can be found at www.kinley.co.uk in the Resource Centre. In particular, look for the CAD Drawings, Data Sheet (DS-BL-0316) and the Edging Book (BR-EB-0116).

4

Cutting/ creating corners

Simply cut the edging using an angle grinder or hacksaw.

Corners can be achieved by securing the edging to a workbench or something similar and simply bending to 90 degrees. Scoring the edging using an angle grinder can assist in this.



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:

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

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.