

ExcelEdge Fort

L-profile roll-topped steel edge restraint for hard landscape surfaces

Strong, robust roll-topped steel edging for hard landscapes. With this steel edging, turn a standard public or recreational space into a remarkable landscape full of bespoke shapes, snaking paths and strong L-shaped angles. Available in various heights, thicknesses and four different types of steel.



Benefits:

- Ideal for high traffic hard landscape surfaces
- Strong and durable for longevity
- Flexible to create bespoke inspirational curves and sharp angles
- Create various contemporary looks with powder coating
- Durable and corrosion resistant
- Flawless finish from sliding connection plate with no overlap

Suitable for:

- Delineating hard surfaces, such as asphalt, tarmac, rubber coating, resin and paving
- High traffic spaces, such as parks, playgrounds and around building perimeters
- Suitable for use with hot asphalt and tarmac



Fort 50mm edging height

Item code	Material Steel	Edging thickness (top fold)	Edging length	Edging foot width	Product Properties	Recycling
141410	Galvanised	7 mm	2400 mm	50 mm	Flexible	100% recyclable
141418	Untreated	7 mm	2400 mm	50 mm	Flexible	100% recyclable
141426	CorTen A	7 mm	2400 mm	50 mm	Flexible	100% recyclable
141334	Powder Coated*	7 mm	2400 mm	50 mm	Flexible	100% recyclable



Fort 75mm edging height

Item code	Material Steel	Edging thickness (top fold)	Edging length	Edging foot width	Product Properties	Recycling
141312	Galvanised	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141320	Untreated	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141328	CorTen A	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141336	Powder Coated*	7 mm	2400 mm	60 mm	Flexible	100% recyclable



*Powder Coated to any RAL colour

Get in touch to discuss your next project.

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Fort 100mm edging height

Item code	Material Steel	Edging thickness (top fold)	Edging length	Edging foot width	Product Properties	Recycling
141414	Galvanised	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141422	Untreated	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141430	CorTen A	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141338	Powder Coated*	7 mm	2400 mm	60 mm	Flexible	100% recyclable



Fort 200mm edging height

Item code	Material Steel	Edging thickness (top fold)	Edging length	Edging foot width	Product Properties	Recycling
141450	Galvanised	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141452	Untreated	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141455	CorTen A	7 mm	2400 mm	60 mm	Flexible	100% recyclable



Fort 150mm edging height

Item code	Material Steel	Edging thickness (top fold)	Edging length	Edging foot width	Product Properties	Recycling
141416	Galvanised	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141424	Untreated	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141432	CorTen A	7 mm	2400 mm	60 mm	Flexible	100% recyclable
141340	Powder Coated*	7 mm	2400 mm	60 mm	Flexible	100% recyclable

*Powder Coated to any RAL colour

Accessories

Item code	Product properties	Pack Qty
142410	50 mm Connector	15
142411	75 mm Connector	15
142412	100 mm Connector	15
142413	150 mm Connector	15
142314	200 mm Connector	15
102032	Spiral Fixing (5 per 2.4m Length)	

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Applications

To edge or demarcate asphalt, rubber coating and other hard landscape surfaces. Suitable for parks, playgrounds and around building perimeters. Fort 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

By mounting on compacted substrate (e.g. MOT Type 1) using 250mm steel Spiral Fixing Stakes. A bedding layer of dry mix 3:1 sharp sand / cement is recommended to ensure continual support of the edge restraint. When mounting on existing asphalt or concrete, use masonry nails or screw and plug fixings.

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:

- 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 Fort:

- 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.

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Fire Protection

Fort edging is made using Corten A or Galvanised Steel, neither of which burn nor pose a fire hazard.

Stability

Corten A and Galvanised Steel 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.

Environmental Issues

Fort is manufactured from either Corten A or Galvanised Steel and is 100% recyclable. As a result the whole life cost of steel Fort 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 Fort 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.

1. The Installation Information given in this document is intended as a guide only. We recommend that professional opinions are obtained before work is commissioned. ExcelEdge 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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