



Product & Installation Guide

ResinEdge

Aluminium angle edging
for hard landscaping



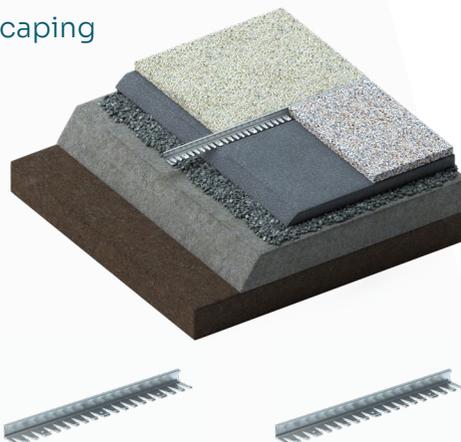
ExcelEdge ResinEdge

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ResinEdge

Aluminium angle edging for hard landscaping

L-profile aluminium edge restraint designed to be used in conjunction with outdoor resin surfaces. Supplied in flexible or rigid variations for curved or straight designs, and available in two heights. Special finishes available upon request.



Benefits:

- Heavy-duty construction for commercial applications
- A broad footplate for excellent adhesion and stability
- 3mm thick construction for superior strength
- 5mm top edge bead for a smooth, safe finish with no sharp edges
- Rigid and flexible edging strips can be used in combination
- Simple click-together connectors for seamless joints
- The flexible edging can be formed to profile during installation
- Fast and easy to install

Edging Height		15 mm	18 mm
Flexible Version		101032	101010
Rigid Version		101033	101011
Dimensions	Edging thickness (top bead)	5 mm	5 mm
	Edging length	2500 mm	2500 mm
	Edging foot width	30 mm	30 mm
	Fixing stake length	N/A	N/A
Costs	Typical install rate linear metre/ hour	40-45 metres	40-45 metres
	Typical supply/ install cost £ per m	£7.00	£8.00
Other	Minimum radius by hand*	1000 mm	
	Minimum radius in factory	300 mm	
	Available finishes	Mill finish/ powder coat to order	
	Material Specification	6005 T6 hardened aluminium	
Recycled content		Part recycled/ 100% recyclable	

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Tools Required

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

Fixings included

- ✓ 250mm Spiral Fixing Stake
- ✓ Strip Connector

1 ResinEdge is usually installed onto asphalt using masonry fixings or adhesive by others. Lay out the edging lengths to the desired perimeter.

2 Use the Strip Connector (provided) to link lengths of ResinEdge together. Slide halfway into channel on inside of the edge restraint, and connect with other length.

3 Bend the edging to curves as required, fixing at approx. 500mm centres.

4 Lay resin surfacing up flush with the top of the edge profile. Take care not to damage the profile during installation.

IMPORTANT: Not suitable for use with hot-lay surfacing.

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



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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. ResinEdge uses Aluminium Alloy 6005 T6 which is a high-performance alloy with high natural resistance to corrosive conditions in normal environments. It also has a higher resistance to heat than other aluminium alloys making it suitable for use with hot asphalt or tarmacadam surfacing up to 180°C.

Installation information¹

18mm profile: By mounting on bitmac basecourse using proprietary masonry fixings. Lengths can be joined using a Strip Connector fitted onto the inside face of the product.

Storage & Handling

The product is securely packed in a single flute cardboard carton to ensure no movement of the product in transit and each carton is sealed with a fibre tape. 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.

Protective Equipment

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

- 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 firstaid. 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

ResinEdge is made using Aluminium Alloy 6005 T6 which does not burn and is not a fire hazard.

Stability

Aluminium Alloy 6005A T6 grade alloy is a high-performance alloy. It has a higher degree of strength, durability and resistance to heat than the less robust 6063 grade alloy.

All building materials are eventually degraded by weathering, corrosion, rot and decay. Aluminium's natural ability to resist these influences better than many materials is one of its most widely appreciated features. Aluminium reacts with the oxygen in the air to form an extremely thin layer of oxide; this layer is dense and provides excellent corrosion protection, and is self-repairing if damaged.

In its unprotected 'Mill Finish' form aluminium is used very successfully for long-life everyday products making ResinEdge exceptionally suitable for use as a commercial landscape edging system.

Environmental Issues

ResinEdge is manufactured from recycled aluminium (80% recycled content minimum) and is 100% recyclable. As a result, the whole life cost of aluminium edging is excellent as it is sold for recycling not paid disposal. The 20% virgin aluminium is blended with the recycled content to help achieve the proper chemical content for the alloy specification, which gives the specified mechanical properties for strength. Scrap aluminium is a valuable resource and can be recycled repeatedly.

¹The Costs and Installation Information given in this document are intended as a guide only. We recommend that formal quotations and 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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There are plenty of raw materials for the production of aluminium. In a variety of forms, aluminium compounds make up a full 8% of the Earth's crust. Bauxite is the main starting point in the production of aluminium and given current rates of production there is enough bauxite to last another 200 to 400 years, this based upon no increases in the use of recycled aluminium and no further discoveries of bauxite. Furthermore, the volume of aluminium being recycled is at a level where the requirement for virgin alumina is decreasing – further lessening the environmental impact.