

RoofEdge Green Roof Edging



Product Properties		AR50MF/MR	AR75MF/MR	AR100MF/MR	AR150MF/MR	AR200MF/MR	AR250MF/MR	AR300MF/MR
Dims.	Edging height	50mm	75mm	100mm	150mm	200mm	250mm	300mm
	Edging length	2400mm	2400mm	2400mm	2400mm	2400mm	2400mm	2400mm
	Edging foot width	100mm	100mm	100mm	150mm	150mm	200mm	200mm
Other	Available finishes	Mill finish						
	Material specification	Aluminium						
	Recycling	100% recyclable						

Description

L-profile aluminium edge restraint for green or ballasted roof applications available in either Flexible (MF) or Rigid (MR) lengths in various heights and thicknesses. Rigid lengths shown in the images above. Powder coat finishes available on request.

Applications

To edge or demarcate grass, planting, ballast and any other roof garden materials. Suitable for most green roof projects on residential or commercial buildings.

Installation Information¹

By installing the edge free-standing (weighed down by surface material) or bonding to membrane using a proprietary roofing adhesive (e.g. hot bitumen) or conventional torch-on membrane weld.

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 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:

- 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 RoofEdge:

- 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.

First Aid (continued)

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

RoofEdge is made using aluminium which does not burn and is not a fire hazard.

Stability

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 RoofEdge exceptionally suitable for use as a commercial landscape edging system.

Environmental Issues

RoofEdge is 100% recyclable. As a result the whole life cost of aluminium edging is excellent as it is sold for recycling not paid disposal.

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.

Supporting Documents

More information on the RoofEdge products can be found at www.kinley.co.uk in the Resource Centre. In particular, look for the CAD Drawings, Installation Guide (IG-AR-0116) and the Brochure (BR-EB-0116).

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. 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.