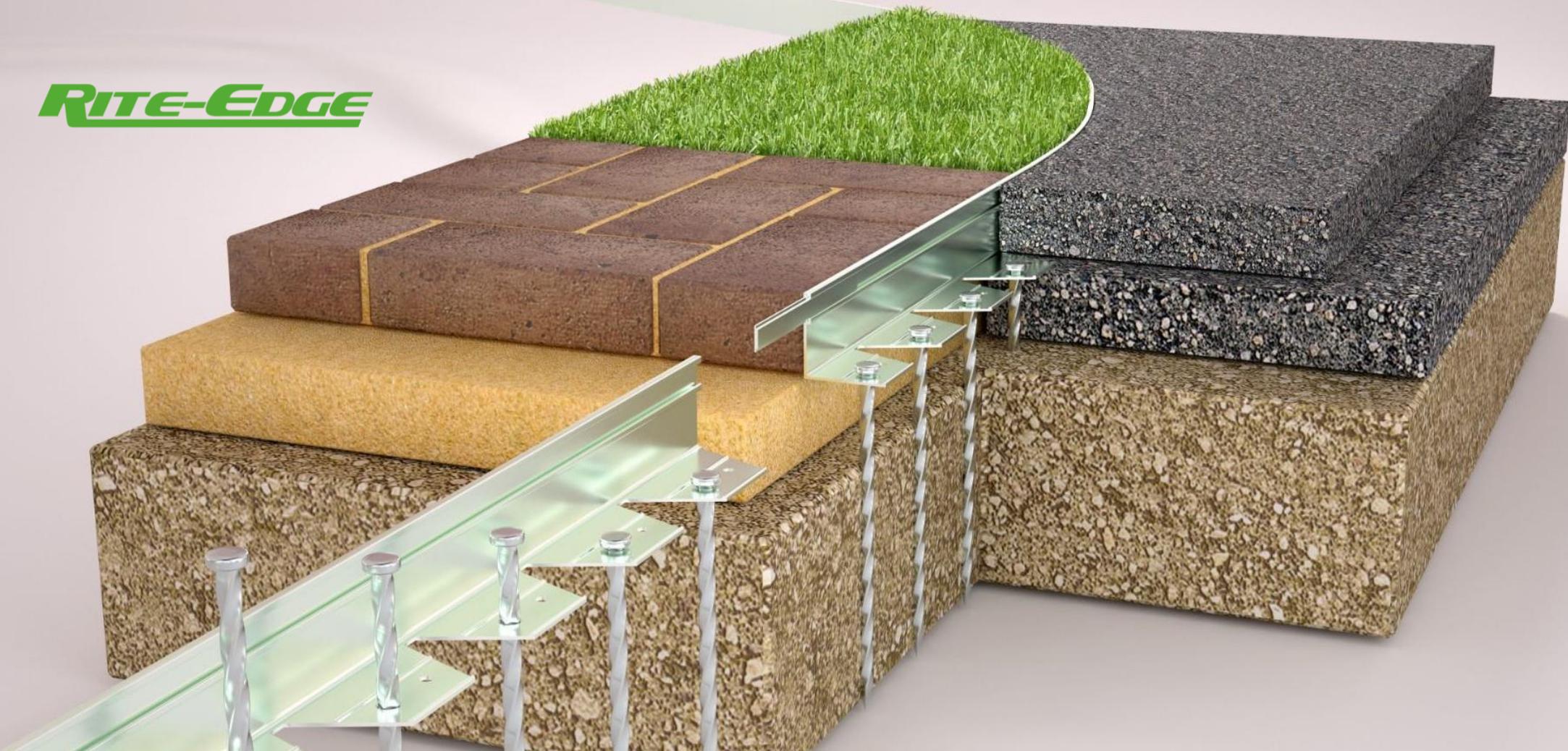


RITE-EDGE



RAINBOW PROFESSIONAL 131
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RITE-L-EDGE

PRODUCT DATA SHEET

SPECIFICATIONS



Premium aluminium edging with an 'L' shaped design

PRODUCT DATA SHEET

PRODUCT CODE	C570/ C570NF	C571/ C571NF	C572/ C572NF	C572/ C572NF	C574/ C574NF	C575/ C575NF	C576/ C576NF	C577/ C577NF	C579/ C579NF
Material	Aluminium								
Aluminium spec	6005A T6								
Finish	Mill								
Profile height	18mm	25mm	38mm	50mm	64mm	70mm	100mm	120mm	150mm
Profile width (foot)	30mm	50mm	50mm	50mm	50mm	50mm	70mm	70mm	70mm
Piece length	2.4m								
Pieces per pack	30	30	20	20	20	15	10	10	10
Linear metres per pack	72m	72m	48m	48m	48m	36m	24m	24m	24m
Thickness	2mm								
Visible thickness	5mm								
Minimum radius	560mm	560mm	560mm	560mm	560mm	815mm	815mm	815mm	815mm
Piece weight	0.69kg	0.77kg	1.25kg	1.45kg	1.61kg	2.19kg	2.66kg	3.2kg	3.74kg
Fixing method*	Steel pins								
Joining method	Connector strip								

***C541 spiral galvanised steel fixing pins (25cm long) are recommended to secure theRite-L-Edge to the prepared sub-base. The number of fixing pins per linear metre is dependent on the application. We recommend:**

- frequent vehicular traffic = 10cm spacing
- occasional vehicular traffic = 20cm spacing
- pedestrian traffic = 30cm spacing.

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GENERAL INFORMATION

The **Rite-L-Edge** 'L' shape provides an unobstructed edging solution for hard landscape surfaces. Available in a 'Flexi' and 'Non-Flexi' version, the base of the section incorporates fixing holes allowing the section to be secured to an appropriate sub-base.

Within the vertical section, a slot along the length of the edging accommodates the supplied joining piece. This joining system ensures that each length joins to the next easily and accurately. In addition, the regular spacing of cut-away 'V' shaped slots in the Flexi option provides the flexibility to create any shape or design.

The Non-Flexi option guarantees straight line precision and makes sharp right-angle bends quick and simple to achieve. **Rite-L-Edge** uses Aluminium Alloy 6005A T6 and due to its high resistance to heat, is suitable for use with hot asphalt surface finishing (up to 180°C).

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APPLICATIONS

Our durable **Rite-L-Edge** aluminium landscaperange is suitable for use in public and private areas including playgrounds, parks and surrounding areas, and buildings.

The landscape range can be used for edgingor segregating resin-bonded/bound, gravel, asphalt, safety and sports play surfaces, as well as maintenance strips, planters and beds, aggregate walkers, brick pavers, and green roofpurposes.

Ask the **Rite Edge** team for more informationabout which option is right for you.

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APPLICATIONS

RITE-EDGE

PRODUCT DATA SHEET



AGGREGATE WALKWAY



LANDSCAPE BEDS



ARTIFICIAL GRASS



ASPHALT SURFACES



RESIN BONDED



MAINTENANCE STRIPS



GREEN ROOFS



BRICK PAVER



SPORTS SURFACE



SAFETY BOUND

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INSTALLATION

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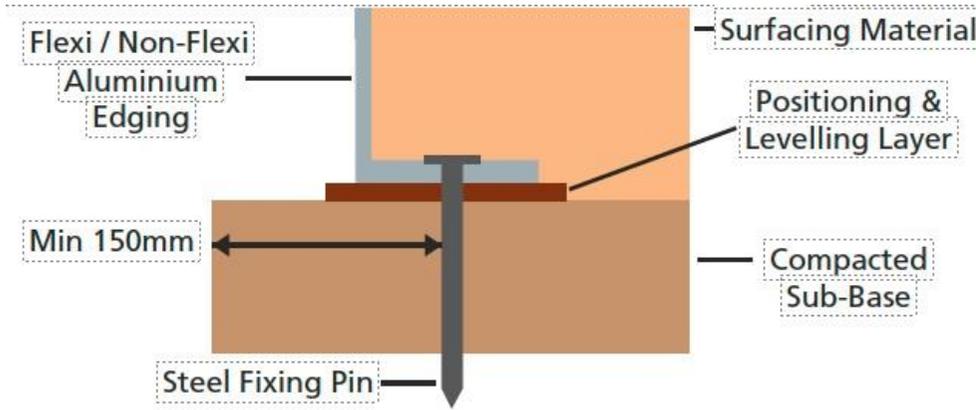
Installations should be carried out on a suitably compacted sub-base, constructed from an MOT Type 1 or Type 3 material. A bedding layer may also be preferable to create a level position. This layer can either be a dry mix (3:1 ratio of sharp sand and cement) or a 10-15mm binding layer of 'fines' or sand.

The base of the 'L' shaped section should be fixed to the sub-base with steel fixing pins (10 x 250mm). The number of fixing pins required per linear metre is dependent on the application. As follows:

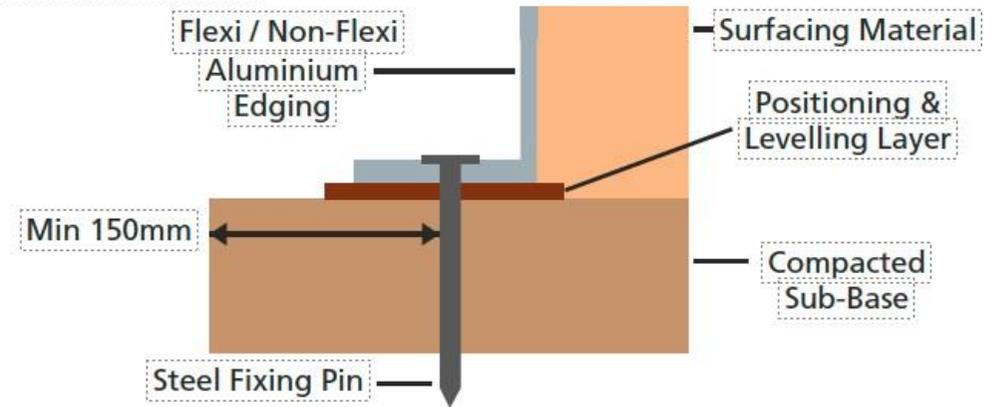
- frequent vehicular traffic = 10cm spacing
- occasional vehicular traffic = 20cm spacing
- pedestrian traffic = 30cm spacing.

INSTALLATION

BASIC INSTALLATION STEPS



INSIDE FIXING



OUTSIDE FIXING



Excavate site



Install sub-base to required depth



Create levelling layer



Fix landscape edging



Install top surface



Rite-L-Edge uses Aluminium Alloy 6005A T6, which is a medium strength alloy commonly referred to as an 'architectural alloy'. It has a good surface finish, high corrosion resistance, can be easily anodised, and is readily suited to welding. It is typically used in intricate extrusions.

The general physical properties of 6005A T6 are:

Physical properties	Value
Density	2.70 g/cm ³
Melting point	605°C
Thermal expansion	24 x 10 ⁻⁶ /K
Modulus of elasticity	70 GPa
Thermal conductivity	188 W/m.K
Electrical resistivity	0.034 x 10 ⁻⁶ Ω.m

Over the next few pages, there is more information about storage and handling, fire protection, chemical resistance, and first aid considerations when using Rite-L-Edge. We have also included additional information regarding product stability and recycling.



STORAGE AND HANDLING

Rite-L-Edge uses Aluminium Alloy 6005A T6, which is one of the easiest materials to keep in good condition. It has a high natural resistance to the corrosive conditions occasionally encountered during shipment and storage. The product is securely packed in a single flute cardboard carton to ensure that no movement occurs in transit. Each carton is also sealed with staples and a proprietary packing tape.

Each carton of **Rite-L-Edge** has the weight clearly displayed at the end. While there are no specific weight restrictions on what is/is not safe to lift manually, an assessment of the health and safety risks should be undertaken. Measures should also be introduced to reduce the risk of injury so far as is reasonably practicable.



FIRE PROTECTION

Aluminium Alloy 6005A T6 does not burn and is therefore not classed as a 'fire hazard'. Every year, hundreds of thousands of tonnes of aluminium scrap are fed into re-melt furnaces and heated up to – and beyond – the melting point (650°C). The aluminium melts when the temperature exceeds the melting point, yet does not burn. If it did, it would not be possible to recycle aluminium.

However, the cardboard packaging used to transport **Rite-L-Edge** will burn if exposed to a naked flame.



RESISTANCE TO CHEMICALS

Due to the protective properties of the natural oxide layer, aluminium shows good resistance to many chemicals. However, low or high pH values (less than 4 and more than 9) lead to the 'oxide layer' dissolving and, consequently, rapid corrosion of the aluminium. Therefore, inorganic acids and strong alkaline solutions are highly corrosive to aluminium.

Exceptions to the above are concentrated nitric acid and solutions of ammonia, which do not attack aluminium.

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STABILITY

Aluminium alloy 6005A is a medium strength, heat treatable alloy with excellent corrosion resistance. In the building industry, aluminium is now the first choice wherever durability and minimal maintenance are prime considerations.

All building materials are eventually degraded by weathering, corrosion, rot and decay. Aluminium's natural ability to resist these influences 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. The layer itself can also 'self-repair' if damaged.

In its unprotected 'mill finish' form, aluminium is used successfully for long-life everyday products. This makes **Rite-L-Edge** more than suitable for its application as a landscape edging system and will enhance any project.



ENVIRONMENTAL ISSUES

All **Rite-L-Edge** aluminium products can be 100% recycled. If the product is no longer required, it can be removed from the ground and recycled, and the area returned to its natural state. **Rite-L-Edge** comprises both recycled and virgin aluminium. The virgin material is blended with the recycled content to help achieve the proper alloy specification for chemical content, which in turn, helps to achieve the specified mechanical properties for strength.

Scrap aluminium is a valuable resource and can be recycled over and over again into a new generation of products. Furthermore, recycling requires only 5% of the original input.

Many raw materials are used in the production of aluminium. In a variety of forms, aluminium compounds make up 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 figure is based upon the assumptions that there will be no increase in the use of recycled aluminium and no further discoveries of bauxite.

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FIRST AID

The Health and Safety (First Aid) Regulations 1981 require all construction sites to have the following.

- A first-aid box with enough equipment to cover 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. They can also provide emergency cover when a first aider is unexpectedly absent (annual leave does not count). The appointed person does not need first-aid training.
- A first aider who has undertaken training and has an HSE-approved qualification. 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, or
 - emergency first aid at work (EFAW) issued by a training organisation approved by HSE or a recognised awarding body of Ofqual/Scottish Qualifications Authority.
- The number of first aiders will depend on the site:

Number of employees	First aider
Fewer than 5	At least one appointed person.
5-50	At least one first aider trained in EFAW or FAW, depending on the type of injuries that may occur. At least one first aider
More than 50	trained in FAW for every 50 people employed (or increments of 50).

- Information should be clearly displayed on site informing workers about the name of the appointed person (or first aider) and where to find them.

CONTACT US FOR MORE INFORMATION

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