

RITE-EDGE



RAINBOW PROFESSIONAL 131
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RITEEDGE

PRODUCT DATA SHEET

SPECIFICATIONS



PRODUCT DATA SHEET

Rite-Edge aluminium edging is the number one choice for both the DIY and Professional Landscaper in the selection of a product for garden edging.

PRODUCT CODE	C531	C549	C532	C533	C534	C551	C557	C560	C564	C558	C559
Material	Aluminium										
Aluminium spec	6061 T-6 Hardness										
Finish	Natural	Anthracite	Brown	Green	Black	Natural	Natural	Natural	Brown	Brown	Green
Profile height	100mm	100mm	100mm	100mm	100mm	140mm	102mm	140mm	140mm	102mm	102mm
Piece length	2.438m	2.438m	2.438m	2.438m	2.438m	2.438m	2.438m	2.438m	2.438m	2.438m	2.438m
Pieces per pack	14	14	14	14	14	12	12	10	10	12	12
Linear metres per pack	34.132m	34.132m	34.132m	34.134m	34.132m	28.8m	29.25m	24.38m	24.38m	12m	29.25m
Thickness	3mm	3mm	3mm	3mm	3mm	3mm	4.5mm	4.5mm	4.5mm	3mm	4.5mm
Visible thickness	4.5mm	4.5mm	4.5mm	4.5mm	4.5mm	4.5mm	7.8mm	7.8mm	7.8mm	4.5mm	7.8mm
Piece weight	1.13kg	1.13kg	1.3kg	1.3kg	1.3g	1.85g	1.68kg	2.7g	2.7kg	2.2kg	1.68kg
Fixing method*	2 per piece										
Joining method	Overlap joint										

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GENERAL INFORMATION



RITE-EDGE

Designed by landscape architects, our multi-award-winning **Rite Edge** is increasingly specified in professional landscape designs as the obvious choice of edging.

Rite Edge aluminium edging is the number one choice for both the DIY and professional landscaper in the selection of product for garden edging.

Available in a choice of five colours: green, brown, black, natural and anthracite grey, the electro-statically applied acrylic paint and then baked on. The result is a product that will never rust, rot, or need re-painting, making it maintenance free.

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APPLICATIONS



Our durable **Rite Edge aluminium** garden range is increasingly specified as the obvious edge for lawns, borders, beds, and pathways alike, keeping the pristine garden appearance with perfect straight corners and enviable curves and shapes.

Ask the Rite Edge team for more information about which option is right for you.

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APPLICATIONS

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AGGREGATE WALKWAY



LANDSCAPE BEDS



ARTIFICIAL GRASS



ASPHALT SURFACES



MAINTENANCE STRIPS



TREE CIRCLE



BRICK PAVER



FLOWER BEDS

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INSTALLATION

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Step 1

Dig a small trench around 5cm wide and 10cm deep in the exact position you require your new edge.

Step 2

Now form the Rite Edge to the shape and design you require including the 5cm (approx) overlap joints. For sharp angled bends use a piece of 4" x 2" timber or the end of work bench holding the Rite Edge down on the flat surface and swiftly pushing down on the overhanging Rite Edge until the desired angled bend is achieved. This can now be placed into the trench you formed for the edging, making sure the stake pockets are located towards the lawn side.

Step 3

Check the exact height for the top Rite Edge which should be just above true ground level (approx 2-6mm) but beneath the required cut grass level.

Step 4

If you are now happy with the shape and height, add the fixing stakes and drive fully home.

Step 5

A simple back filling on the sides of your Rite Edge completes your Rite Edge installation.

INSTALLATION

BASIC INSTALLATION STEPS

Helpful Tips

Joining is achieved using the unique telescopic design by sliding one piece inside the other.

Recommended approx 5cm overlap on each joint.

For flush fit joints along entire length a small piece can be used behind each joint. Packs of flush joining pieces can be purchased separately.

Avoid forming curves and bends and stake locations as it will be more difficult to pass stakes through the stake pocket.

When making cuts use a sharp scribe for saw to follow.

Tools Needed: spade, hacksaw, scribe, hammer/mallet, gloves eye protection



PRODUCT DATA SHEET



Dig Trench



Form the Rite Edge
to desired shape



Check the exact
height



Add fixing stakes



Back fill the
sides

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Rite 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 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 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 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 Edge** more than suitable for its application as a landscape edging system and will enhance any project.



ENVIRONMENTAL ISSUES

All **Rite 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 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 callsthe 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 ofcompetence 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 ofOfqual/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) andwhere to find them.

CONTACT US FOR MORE INFORMATION

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