

Sustainability and Environmental Quality

The sustainable up-grading of the urban environment has been the motivation driving Kinley / ExcelEdge Systems since its inception in 2008

From the start, the company has been at the forefront of innovative product development with the dual objective of enhancement of the urban environment and the replacement of conventional materials by sustainable and recyclable alternatives.

Kinley / ExcelEdge Systems Ltd is committed to continual research, development and improvement of their products and this is underpinned by a culture of outstanding customer service and support.

This **POLICY STATEMENT** outlines the factors governing Kinley / ExcelEdge Systems Ltd in the development of their different ranges of products and the solutions adopted to fulfil them.

AluExcel landscape edgings have been acclaimed by specifiers and contractors as providing significant sustainability benefits:

1. **Recycling** – the product is recycled and completely recyclable, reducing whole-life costs.
2. **Aluminium Alloy 6005A**, Kinley / ExcelEdge Systems Ltd selected a very versatile alloy distinguished by high silicon and magnesium content imparting improved toughness and extrudability.
3. **Excellent corrosion resistance** makes it the aluminium alloy of choice for structural, architectural and many industrial and marine applications.
4. **Less weight** – more compact to transport than traditional kerbing, reducing the carbon footprint as well as transportation costs.
5. **Reduced susceptibility to damage** and breakage on site and in transit – Kinley / ExcelEdge Systems report less than 3% transit damage claims compared with 10% or more anticipated for damage to pre-cast kerbs.
6. **Speed of installation** – AluExcel aluminium edging is up to 4 times faster to install than concrete kerbs. The elimination of wet trade works (concrete haunching) also increases overall speed of footway construction.
7. **Simultaneous installation** of edging and surfacing in a virtually continuous construction flow results in almost total elimination of the damage associated with traditional concrete kerbing (Contractors have reported up to 80% replacement rate of concrete kerbs prior to laying the final wearing course).
8. **Overall design aesthetics** – the slimmer, flexible edge is more discreet and aesthetically pleasing than traditional kerbing and less susceptible to damage due to its reduced exposure (5 – 8mm top edge instead of 50mm).

AllEdge Lawn Edging has been designed as a Flexible premium aluminium edge restraint for soft landscape surfaces.

1. **Recycling** – AllEdge is manufactured from recycled aluminium (80% recycled content minimum) and is 100% recyclable.
2. **Aluminium Alloy 6063A** – which does not burn and is not a fire hazard.
3. **Excellent corrosion resistance** makes it the aluminium alloy of choice for structural, architectural and many industrial and marine applications.
4. **Less weight** – more compact to transport than traditional kerbing, reducing the carbon footprint as well as transportation costs.
5. **Reduced susceptibility to damage** and breakage on site and in transit – Kinley / ExcelEdge Systems report less transit damage claims compared with damage to pre-cast concrete edgings, timber or plastic edgings.

- 6. Speed of installation** – AllEdge is up to 4 times faster to install than concrete edgings. The elimination of wet trade works (concrete haunching) also increases overall speed of footway construction.
- 7. Overall design aesthetics** – the slimmer, flexible edge is more discreet and aesthetically pleasing than traditional concrete edging and less susceptible to damage due to its reduced exposure along the top edge.

Roofedge is an L-profile aluminium edge restraint for green or ballasted roof applications available in either Flexible or Rigid lengths in various heights and thicknesses.

- 1. Recycling** – the product is recycled and completely recyclable, reducing whole-life costs.
- 2. Aluminium** – Kinley / ExcelEdge Systems Ltd selected a very versatile alloy distinguished by high silicon and magnesium content imparting improved toughness and extrudability.
- 3. Excellent corrosion resistance** – makes it the aluminium alloy of choice for structural, architectural and many industrial and marine applications.
- 4. Less weight** – more compact to transport than traditional kerbing, reducing the carbon footprint as well as transportation costs.
- 5. Reduced susceptibility to damage and breakage on site and in transit** compared to more traditional edgings
- 6. Speed of installation** – Roofedge aluminium edging is easier to install than more traditional edgings and more light weight for use on roof terraces and green roof systems.
- 7. Overall design aesthetics** – the slimmer, flexible edge is more discreet and aesthetically pleasing than traditional kerbing edging and less susceptible to damage.

Timber and concrete edgings and kerbing have many limitations. The landscaping industry has quickly grasped the multiple ecological and environmental advantages of switching to Kinley / ExcelEdge Aluminium edgings. Aesthetically superior, easily installed and maintained, recycled aluminium achieves significant environmental and social responsibility goals.

Borderline Steel Edging is a flexible steel edging restraint for soft landscape and aggregate pathway available in various heights, thicknesses and three different finishes.

- 1. Recycling** – Borderline is manufactured from either Galvanised or Untreated Steel and is 100% recyclable reducing whole-life costs
- 2. Sustainability** – 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.
- 3. Excellent corrosion resistance** – Galvanised Steel is a high performance material that displays excellent resistance to atmospheric corrosion, making it exceptionally suitable for landscape edge restraint applications. 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. Untreated Steel has had no finish applied to the hot-rolled mild carbon steel product. As such, a protective coating of dark brown oxidation will form across the metal's surface which will act as a barrier to the corrosive effects of rain, snow and other weather conditions.
- 4. Overall design aesthetics** – the slimmer, flexible edge is more discreet and aesthetically pleasing than traditional kerbing edging and less susceptible to damage.

Fort Steel Edge Restraint is a L-profile rolled-top steel edge restraint for hard landscape surfaces available in either Flexible or Rigid lengths in various heights and thicknesses and three different types of steel: Corten A, untreated steel and Galvanised.

1. **Recycling** – Fort is manufactured from either Galvanised, untreated or Corten A and is 100% recyclable reducing whole-life costs
2. **Sustainability** – 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.
3. **Excellent corrosion resistance** – Corten A, untreated 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.
4. **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.
5. **Overall design aesthetics** – the slimmer, flexible edge is more discreet and aesthetically pleasing than traditional kerbing edging and less susceptible to damage.

Urban Steel Edging is a heavy duty steel edge for hard or soft landscape applications available in various thicknesses and four different types of steel.

1. **Recycling** – Verge is manufactured from either Galvanised, Corten A or Untreated and is 100% recyclable reducing whole-life costs
2. **Sustainability** – 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.
3. **Excellent corrosion resistance** – Corten A and Galvanised 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.

Untreated Steel has had no finish applied to the hot-rolled mild carbon steel product. As such, a protective coating of dark brown oxidation will form across the metal's surface which will acts as a barrier to the corrosive effects of rain, snow and other weather conditions.

4. **Overall design aesthetics** – the slimmer, flexible edge is more discreet and aesthetically pleasing than traditional kerbing edging and less susceptible to damage.

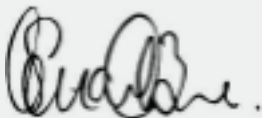
Timber and concrete edgings and kerbing have many limitations. The landscaping industry has quickly grasped the multiple ecological and environmental advantages of switching to Kinley / ExcelEdge Steel edgings. Aesthetically superior, easily installed and maintained, Steel has met significant environmental and social responsibility goals.

Bison Steel Kerb is a heavy duty steel kerb for hard landscaping applications available in various heights.

- 1. Recycling** – Bison is manufactured from Galvanised steel and is 100% recyclable reducing whole-life costs
- 2. Sustainability** – 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.
- 3. Excellent corrosion resistance** – Galvanised is a high performance material that display excellent resistance to atmospheric corrosion when compared to other steels, making them exceptionally suitable for landscape edge restraint applications. 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.
- 4. Overall design aesthetics** – the heavy duty, T-shaped product is a flexible, discreet option for concrete pin kerbs that provides the same strength and creates a seamless finish.

Timber and concrete edgings and kerbing have many limitations. The landscaping industry has quickly grasped the multiple ecological and environmental advantages of switching to Kinley / ExcelEdge Steel edgings. Aesthetically superior, easily installed and maintained, Steel has met significant environmental and social responsibility goals.

Signed:



Stuart Bowie
Director
Kinley / ExcelEdge Systems Ltd

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