# ALUMINIUM AND GLASS BALUSTRADES

FRAMED I SEMI-FRAMELESS I FRAMELESS BALUSTRADE SYSTEMS



www.juralcobalustrades.co.nz

# WHAT IS **A BALUSTRADE?**

A balustrade is a safety barrier designed to prevent falls in areas with falls of 1+ metres, which are typically decks, balconies or stairways. Balustrades are a compulsory part of NZ building regulations and fulfil an essential job, which is keeping people safe from falling and hurting themselves when they are at height.

ALL OF OUR BALUSTRADE SYSTEMS ARE COMPLIANT WITH

## THINGS TO CONSIDER



## **OCCUPANCY TYPE**

How is the space alongside the balustrade used? Is it one dwelling, or more than one, is there a risk of crowding?



## WIND PRESSURE

Balustrade systems are designed and tested to a wind pressure. If you know your wind pressure or wind speed for your site, then it could save you money. Wind zone can be used to determine compliance for simple structures.



## COST

All our balustrades have been designed with efficiency and cost in mind. Our experts will run you through your options and choose the right solution for your situation.



### **BUILDING USAGE**

NZ BUILDING REGULATIONS.

Is the balustrade also a pool fence? This determines minimum barrier height.

- Residential 1000mm
- Commercial 1100mm
- Pool Fencing 1200mm



## **CIISTOM MADE**

Our balustrade experts have complete knowledge of all our systems and will pick and customise the best solution for your situation, reducing costs and improving aesthetics.



### **MAINTENANCE**

Manufactured using high quality, durable and low maintenance materials such as glass & powder coated aluminium, to ensure minimal upkeep and confidence your balustrade will remain colourful, straight, and safe for years to come.



## HEIGHT

Minimum heights are dependent on Building Usage, but additional height can be requested for reasons such as privacy or windbreaks, or for practical requirements

(e.g. a balustrade on a floating deck).



## **STYLF**

We have a wide range of balustrade styles from classic to modern designs that will suit every aesthetic, with powder coat colour selections available from the extensive Dulux® range.



## ACCESSORIES

Accessories can increase the scope of use or improve the balustrade look.

Powder coated in NZ using the best in Dulux® powder coating technology.











\*To meet NZS4223.3.2016 requirements



# **VIKING® BALUSTRADE SYSTEM**

### ALUMINIUM POST SYSTEM WITH BALUSTER OR GLASS

Renowned for safety and style in NZ homes, Viking® is one of the original aluminium post or glass balustrade systems, which has provided dependable safety and style in New Zealand homes for decades. Great for internal or external settings, Viking® balustrade configurations include full-height glass, splitrail glass, semi-frameless glass, full-height baluster, and split-rail baluster.



- Suitable for pool fencing (fully compliant)
- Split rail finish available for balusters and glass
- Aluminium infill: baluster or slat
- Glass infill: Toughened Safety Glass 6mm or 10mm
- Wide choice of powder coat colours available from the Dulux® range
- Face Fix including Gutter Bracket option or Top Fix
- Suitable for waterproof/floating decks
- Five handrail styles (page 21)











# **EDGETEC® RESIDENTIAL BALUSTRADE**

### ALUMINIUM POST SYSTEM FOR GLASS

The Edgetec<sup>®</sup> Residential Balustrade System is a versatile safety barrier solution for decks, stairways, balconies, handrails and pool fencing. Edgetec<sup>®</sup> Residential incorporates glass infill within a fully framed, semi-frameless or split rail layout. The system provides excellent configuration options and includes accessories, like gutter brackets, making it suitable for installation on waterproof decks.



- Occupancy Types A, A Other & C3 Domestic and Residential
- Suitable for pool fencing (fully compliant)
- Split rail finish available
- Glass Infill: Toughened Safety Glass 6mm, 8mm & 10mm, Toughened Laminated Glass 13.2mm
- Face Fix including Gutter Bracket option or Top Fix
- Suitable for waterproof/floating decks
- Six handrail styles (page 21)
- Wide choice of powder coat colours available from the Dulux® range





# EDGETEC® COMMERCIAL POST BALUSTRADE

## ALUMINIUM POST SYSTEM WITH BALUSTER / GLASS (COMMERCIAL GRADE)

Commercial Post balustrades are heavy-duty barrier systems designed for more stringent performance demands, such as a minimum height requirement of 1100mm (above deck) vs 1000mm for a residential balustrade.

The Edge<sup>®</sup> Commercial C3 System can support Glass up to 15mm thick and is extremely versatile and can be custom made in a range of configurations and powdercoat colours to meet most modern architectural requirements.

Edgetec Commercial Post offers all the same great benefits as the residential systems, including a choice of semi-frameless or framed glass styles and powder coated, in a colour of your choice.

- Occupancy Types A, A Other B, E, and C3. Also, for C1, C2 and D (not C5) Domestic, Residential & Commercial
- Split rail finish available for aluminium infill/glass
- Face Fix with or Top Fix options
- Aluminium infill: 17mm or 19mm baluster or 60mm slat
- Glass Infill: Toughened Safety Glass 10mm, 12mm or 15mm
- Four handrail styles
- Custom powder coating from the extensive Dulux® colour range







# **STECCA® BALUSTRADE**

### FIN SLAT ALUMINIUM SYSTEM

Stecca® has been developed as an option that has aluminium detailing front and centre of a design and is available in multiple configurations:

**Post System:** Front-mounted 49mm slat (fin) fitted to the front of the balustrade support rails, rather than inside the rails, adds an extra dimension of depth and greater choice for homeowners and designers.

**Continuous Postless:** Top or side fixed fin balusters remove the requirement for posts, resulting in a subtle appearance when viewed from the front, and a side-on profile that is comb-like (or resembles a grill) and adds an extra dimension of depth. The end aesthetic is a finish that offers architectural design interest and greater choice for homeowners and designers.

- Occupancy Types A, A Other & C3 Domestic, and Residential
- Suitable for Pool Fencing (fully compliant)
- Infill: Front/Top mounted 49mm wide aluminium fin slat
- Post option. Slats fit the front of the support rails, which can be fixed to the face of, or between, the posts
- Continuous aluminium fin balusters enable a postless option
- Suitable for waterproof/floating decks
- Aluminium caps for slats & post ends. Plastic end cap option also for post system
- Optional handrail
- Custom powder coating from the extensive  $\mathsf{Dulux}^{\scriptscriptstyle (\! R\!)}$  colour range













# EDGE<sup>®</sup> LAMERRA<sup>™</sup> BALUSTRADE

### ALUMINIUM POST SYSTEM WITH SCREEN SHEET

Edge<sup>®</sup> Lamerra<sup>™</sup> features a perforated aluminium screen which offers a low maintenance, robust finish that fully embraces modern design concepts and portrays the popular industrial look. Particularly favoured for its unique design features, the perforated (punched) screen keeps the view clear with a semi-translucent finish internally, whilst when viewed from the outside the solid-looking finish creates privacy.

Choose from two finishing styles: Screen edges capped in a black or white band, or an exposed fixing option.

- Occupancy Types A, A Other & C3 Domestic, and Residential
- Aluminium infill: punched sheet
- Suitable for Waterproof/Floating Decks
- Five handrail styles
- Edge Capping: black or white
- Face Fix including Gutter Bracket option or Top Fix
- Custom powder coating from the extensive Dulux<sup>®</sup> colour range

Screen style - Proprietary perforated 1.6mm hardened aluminium sheet









# HOMESTEAD® AND Contemporary Balustrade

### PREFABRICATED ALUMINIUM PANELS

Homestead is a baluster panel system ideal for residential scenarios requiring a strong but cost-effective balustrade. The prefabricated aluminium panels are 1360mm wide x 975mm high and fixed to a post. Raked panels can be used on slopes up to 35°, perfect for stairs. The system can be installed in a range of configurations and comes powder coated in a range of colours to meet most modern architectural requirements.

Built for lasting resilience, Contemporary is a premade welded or riveted balustrade panel system manufactured from the highest quality aluminium for corrosion resistance and strength, featuring robust square balusters. Available in a standard height of 1200mm, it is ideal for exterior applications such as retaining walls, where a balustrade is required. Suitable for residential applications only, riveted Contemporary balustrades can be used at an angle up to 11.5° (raked).

- Occupancy Types A, A Other & C3 Domestic, and Residential
- Face Fix including Gutter Bracket option or Top Fix
- Available powder coated from the Dulux® range of colours
- Suitable for waterproof/floating decks
- Homestead panels 1360mm wide x 975mm high
- Contemporary Balustrade suitable for pool fencing (fully compliant)
- Contemporary Balustrade available with matching pool gate
- Contemporary standard panel height 1200mm







## FRAMELESS GLASS BALUSTRADE

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# EDGETEC® INFINITY® BALUSTRADE

### ALUMINIUM CHANNEL SYSTEM FOR GLASS

Edgetec Infinity<sup>®</sup> is a continuous channel type balustrade designed to accommodate a range of glass types for greater customer choice in frameless glass finishes.

Using Toughened, Toughened Laminated or Toughened Laminated SentryGlas<sup>®</sup> glass panels from 12mm to 17.52mm, Infinity is popular for its linear finish and uses proprietary clamps to fix glass panels, without the need for holes in the glass.

Top or Face fixed and for Residential or Commercial use, clamps are set at regular centres and aligned via a continuous back plate. The system is extremely versatile and can be made in a range of configurations to suit most modern architectural requirements.

- Occupancy Types A, A Other, C3 Domestic and Residential & B, E, A Other, C3 Commercial
- Suitable for Pool Fencing (fully compliant)
- 6 Interlinking top rail styles round or rectangular style
- Glass options 12 or 15mm Toughened Safety Glass, 13.52 & 17.52mm SentryGlas<sup>®</sup> or 15.2 & 17.2mm Toughened Laminated Glass
- Hidden fixing option available
- Depending on the glass type an interlinking top rail must be used
- Finish: Available powder coated from the Dulux® range of colours
- Face Fix or Top Fix options







# EDGETEC<sup>®</sup> POSIGLAZE<sup>™</sup> BALUSTRADE

### ALUMINIUM CHANNEL SYSTEM FOR GLASS

The Edgetec<sup>®</sup> PosiGlaze<sup>™</sup> is a revolutionary frameless glass balustrade and pool fencing system. Designed for a wide range of applications, PosiGlaze<sup>™</sup> offers exceptional aesthetic appeal, and alignment flexibility during and after installation.

The patented screw-clamp technology supports glass from 12mm Toughened up to 21.5mm SentryGlas<sup>®</sup> offering the ultimate in adjustability, strength and elegance. PosiGlaze<sup>™</sup> is a meticulously designed system with components that fit together seamlessly. The engineered channel is designed to be incredibly strong and lightweight for a superior-performing balustrade system that will stand the test of time.

- Occupancy Types A, A Other, C3 Domestic & Residential. B, E, C3, C1/C2 and D Commercial (not C5)
- Quick and easy to install & adjust. Suitable for use on uneven surfaces
- Suitable for Pool Fencing (fully compliant)
- Glass options 12mm 21.5mm using either Toughened Safety Glass, Toughened Laminated Glass or SentryGlas<sup>®</sup>
- 12 & 15mm Toughened Glass balustrade installations Interlinking handrails are required (excluding pool fences)
- Adjusted from the top the PosiGlaze<sup>™</sup> screw-clamp is perfect for hidden installations
- Side Fix or Base Fix options
- 6 Interlinking top rail styles round or rectangular style
- Finish: Available powder coated from the Dulux® range of colours
- Incredibly versatile









# EDGETEC<sup>®</sup> MEGAGRIP<sup>™</sup> BALUSTRADE

### C5 RATED CHANNEL SYSTEM FOR GLASS

The Edgetec<sup>®</sup> MegaGrip<sup>™</sup> balustrade system is designed for frameless Toughened Laminated SentryGlas<sup>®</sup> 25.52mm and 31.52mm. A base fixed system with many applications, but predominantly designed as a highly durable public safety barrier for large commercial projects.

The system is extremely versatile and can be made in a range of configurations to suit most modern architectural requirements and Wind Zones and is compatible with a range of glass thicknesses. Making MegaGrip<sup>™</sup> one of the most adaptable Commercial balustrade systems on the market today. MegaGrip<sup>™</sup> is ideal for use as a public space barrier in busy locations such as transport hubs and venues, where there is a risk of overcrowding.

- Quick and easy to install & adjust
- Occupancy Types A, and B/E Domestic and Residential & C1/C2, C3, C5 and D Commercial
- Completely frameless commercial balustrade.
  Appropriate for Commercial C5 and D occupancy types
- Incredibly strong with an amazing strength-to-weight ratio
- Base Fix to steel or concrete and base fix to angle (see image\*)
- Glass options: 25.52mm or 31.52mm toughened laminated SentryGlas<sup>®</sup>
- Finish: Available powder coated from the Dulux® range of colours







# EDGETEC® MINI POST BALUSTRADE

### ALUMINIUM STRUT POST FOR GLASS

Edgetec<sup>®</sup> Mini Post is an attractive strut post balustrade system designed for 12mm toughened or 13.52mm SentryGlas<sup>®</sup> glass panels, to achieve a frameless glass finish.

The system is extremely versatile and can be custom made in a range of configurations, and the slim interlinking top rail can be powder coated to colour match the Mini Posts from the extensive Dulux<sup>®</sup> range of colours to meet architectural requirements.

- Occupancy Types A, A Other & C3 Domestic and Residential
- Suitable for pool fencing (fully compliant)
- Interlinking top rail round or rectangular style
- Suitable for waterproof/floating decks
- 12mm toughened safety glass, with interlinking top rail (unless pool fencing)
- 13.52mm toughened laminated SentryGlas®
- Face Fix including Gutter Bracket option or Top Fix
- Custom powder coating from the extensive Dulux® colour range
- Hidden fixings
- Patented glass adjustment system











# **EDGETEC® MATADOR® MINI POST BALUSTRADE**

### STAINLESS-STEEL STRUT POST FOR GLASS

The Edgetec Matador Mini Post balustrade is a top or face-mounted frameless glass system using Duplex 2205 Stainless Steel posts that are capable of clamping 12mm Toughened, 13.52mm SentryGlas®, and Series II up to 15mm Toughened glass panels. It is available in multiple configurations: Series I is top fixed with a visible baseplate, or Series II is top or face fixed with or without a visible baseplate. Suitable for a wide range of applications, including stairways and pool fencing, Matador has a unique, patent-pending, premium design that utilises hidden fixings with a high range of adjustability to provide a premium product for the most discerning projects.

- Made of corrosion-resistant Duplex 2205 stainless steel
- Series I: Top Fix to timber and concrete
- Series II: Top Fix or Face Fix to timber, concrete, and steel
- Glass: 12mm Toughened & 13.52mm SentryGlas® (Series II also 15mm Toughened)
- Finish: Polished and Satin Stainless Steel or powder coated from the Dulux<sup>®</sup> range of colours
- Hidden fixings (Series II)
- Patented adjustment system (Series II)
- Occupancy: Types A, A Other and C3 Domestic & Residential
- Fast and easy installation

















Series II

with Base

Plate



Series II Face Fixed



without Base

Plate



# EDGETEC® JH™ CLAMP BALUSTRADE

### ALUMINIUM CLAMP FIXING FOR GLASS

The Edgetec<sup>®</sup> JH<sup>™</sup> Clamp balustrade is an extremely versatile frameless glass system that utilises a minimalist aluminium clamp to fix the frameless glass to the face of decks, balconies, and stairways. Manufactured in architectural grade aluminium and supporting glass from 12mm Toughened up to 17.52mm SentryGlas<sup>®</sup> the system has three clamp shape options which can be orientated either vertically or horizontally to present a modern frameless glass aesthetic, in a range of configurations to suit most modern architectural requirements for internal or external applications.

- Occupancy Types: A, A Other, C3 Domestic and Residential & B, E, C3 Commercial
- 3 clamp styles: Square, Round or Chamfered
- Face Fixed
- Finish: Available powder coated from the Dulux® range of colours
- Suitable for Pool Fencing (fully compliant)
- Interlinking top rail 5 round or rectangular styles
- No visible fixings when installed for a clean, minimalist finish
- Hidden option for timber deck that conceals the Clamp
- Glass options: 12 & 15mm Toughened, 15.2 & 17.2mm Toughened Laminated Glass. 13.52 & 17.52mm SentryGlas<sup>®</sup>
- Can be orientated vertically or horizontally







Square

Chamfer



Round



# EDGETEC<sup>®</sup> DOUBLE DISC ANCHOR CLAMP BALUSTRADE

### ALUMINIUM/STAINLESS STEEL DISC FOR GLASS

Edgetec<sup>®</sup> Double Disc Anchor is a 50mm diameter traditional style disc for a range of Toughened Laminated and SentryGlas<sup>®</sup> glass panels from 12mm to 17.52mm thicknesses for a frameless glass finish.

Aluminium Double Discs are made from an architectural grade aluminium and finished in a powder coat colour of your choice. Stainless Steel Discs are made from solid 316 marine grade SS and are available in a polished or satin finish. Extremely versatile, Edgetec Double Disc can be configured to suit a wide range of external and internal situations including pool fencing and stairways.

- Occupancy Types: A, A Other, C3 Domestic and Residential & B, E, C3 Commercial
- Suitable for Pool Fencing (fully compliant)
- Interlinking top rail round or rectangular style
- Glass options: 12mm or 15mm Toughened Safety Glass, 15.2mm or 17.2mm Toughened Laminated glass and 13.52mm or 17.52mm SentryGlas®
- Satin and Polished Stainless Steel finish available (not Hidden Screw Adjustable)
- Available powder coated from the Dulux<sup>®</sup> range of colours (Hidden Screw Adjustable available in anodised 20 microns for a Simulated Stainless Steel finish)
- Square covers available
- Hidden Screw Adjustable has 10mm of adjustment
- Face fix installation only







Countersunk Screw

unk Hidden v Screw

Hidden Screw Adjustable



## FRAMELESS GLASS BALUSTRADE



# EDGETEC® SINGLE DISC ANCHOR CLAMP BALUSTRADE

### ALUMINIUM/STAINLESS STEEL DISC FOR GLASS

Edgetec<sup>®</sup> Single Disc balustrade is a 75mm diameter anchor disc for fixing toughened glass panels in a frameless glass finish. The Discs are made from an architectural grade aluminium with hidden fixing options and finished in a powder coat colour of your choice. Stainless Steel Discs are made from solid 316 marine grade Stainless Steel and are available in a satin finish with a visible fixing screw.

The system is highly adaptable and can be configured in various ways to meet the needs of most modern architectural designs for interior and exterior installations.

- Occupancy Types A, A Other, C3 Domestic and Residential & B, E, C3 Commercial
- Suitable for Pool Fencing (fully compliant)
- 6 Interlinking top rail styles round or rectangular options
- Glass options: 12mm or 15mm Toughened Safety Glass, 15.2 or 17.2mm Toughened Laminated Glass and 13.52 & 17.52mm SentryGlas®
- Hidden fixing option available
- Available powder coated from the Dulux® range of colours
- Satin Stainless Steel finish also available
- 75mm diameter disc
- Face fix installation





Hidden Fix Type Powder Coated Aluminium 75mm

Visible Screw Fix Type 316 Stainless Steel Satin Finish 75mm





#### **ALUMINIUM RAILS**

Handrails are an integral safety feature for balustrades, especially on stairways. They are commonly fitted as a top rail which doubles as a frame on aluminium post balustrades, or as a standalone handrail fitted on posts or stairway walls. Frameless glass balustrades (using standard toughened glass), require an interlinking top rail, which would serve as a safety rail if the glass were to break.

Note: Specialised Toughened Laminated Glass panels not requiring top rails are also available.(SentryGlas®)

#### **ALUMINIUM POST BALUSTRADE**



Circular

Handrail



FRAMELESS GLASS BALUSTRADE

Semi-circular

Handrail

**EDGETEC®** 

Aerofoil

Handrail



Top Rail

Round Interlinking



Top Rail

Rectangular

Handrail



Stainless Steel Interlinking Top Rail

Interlinking

Rail

Glass Support Bracket

Juralco<sup>®</sup> 21



# GLASS & ALUMINIUM POOL FENCING

### STYLISH OPTIONS TO KEEP POOL AREAS SAFE

From prefabricated Contemporary panels and frameless glass options that includes PosiGlaze<sup>™</sup> through to modern stainless-steel Matador<sup>®</sup> Mini-Posts, Juralco<sup>®</sup> has an extensive range of fencing, balustrades and gate options that are pool fence compliant.

Juralco<sup>®</sup> pool fencing is designed and constructed to meet the requirements of NZBC Clause F9 & 162C of the Building Act and is installed by our nationwide network of professionals with expertise in pool fencing.

- PS1 Specifiable pool fencing and gates
- Good looking, safe and strong
- Choice of styles: Aluminium and/or Glass
- Powder-coat options from Dulux range for long-lasting durability
- Matador Fencing: Corrosion resistant stainless-steel option
- Custom-made to requirements (Contemporary are prefabricated panels)
- Meets New Zealand Pool Fencing Regulations\* and NZS 8500:2006
- Matching pool gates with self-closing hinges and latches are available



\*POOL FENCING REGULATIONS. While compliant with NZ Pool Fencing Regulations & NZS 8500:2006 it is the responsibility of the homeowner to ensure that the pool fencing layout complies with local government body regulations, which can be subject to individual local body interpretation. While compliant with NZBC Clause 9 and 162C of the Building Act (pool safety legislation), the layout and installation, must be approved by the respective local Council.

## ACCESSORIES

## **GLASS POOL GATES**

Matching glass pool gates to a glass pool fence is achievable with specially designed hydraulic hinges and self-closing latches. Available for either 10mm, 12mm Toughened or 13.52mm SentryGlas<sup>®</sup> glass panels, in a range of options for connecting to either glass or aluminium post pool fencing systems.

Glass gate hinges and latches are manufactured from top quality Stainless Steel, in a range of standard finishes like Satin or Polished Steel and Black. The option for aluminium hinge covers allowing for powder coating in a colour to match the surrounding joinery is also available.

## **GUTTER BRACKET**

An aluminium bracket designed especially for floating/ waterproof decks which fits the balustrade post on the bracket top and guttering\* underneath.

Gutter Brackets have been designed for easy attachment of standard New Zealand gutter systems. Available on Homestead<sup>®</sup>, Viking<sup>®</sup>, Edgetec<sup>®</sup> Residential and Edgetec<sup>®</sup> Mini Post balustrade systems.

\*Guttering supplied by others

## INTERLINKING TOP RAIL CONNECTORS\*\*



HORIZONTAL 90° FIXED CONNECTOR Aluminium



VERTICAL ADJUSTABLE CONNECTOR 35° Up or Down Aluminium

HORIZONTAL ADJUSTABLE CONNECTOR 0 - 90° Right/Left Aluminium

## LAMINATED GLASS PROTECTION CAPS



Recommended to protect glass edges on laminated panels.









\*\*Ask your balustrade installer for details on the complete range of connector products



Available from:

Our team of professionals will help you to customise your new balustrade or pool fence, with an onsite consultation that includes a free measure and quote.



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