

# Frameless Glass Balustrades

Glass and hardware design considerations



An outline of the glass and hardware options available when choosing a frameless glass balustrade.

**Viridian**<sup>™</sup>  
**Glass**

euroglass

# SAFE, SAFER SAFEST

As the leaders of structural frameless glass design in New Zealand, Euroglass is constantly striving towards achieving higher safety standards to create premium tailor made systems. As technology advances and glazing techniques are refined, Euroglass is now able to offer a range of balustrade systems with different glass types and attachments to meet the wide range of homeowners' designs and safety requirements.

Viridian Glass is one of New Zealand's largest providers of glass and the only manufacturer of glass in Australasia. This gives Viridian, in partnership with Euroglass, the unique opportunity to create and manufacture glass to our specific environmental and legislative needs. This means Euroglass and Viridian Glass are able to offer a complete balustrade solution.

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## SAFE

### Viridian Toughened Safety Glass With Interlinking Rail

#### Glass Type

Viridian Toughened Safety Glass with interlinking rail connected to each pane of glass and to the building. Toughened glass is stronger and breaks in a safe manner compared to normal glass. In the unlikely event of the glass breaking the glass will fracture into small safe fragments.

#### Benefits

- If the glass breaks, the interlinking rail provides a barrier to minimise the risk of people falling.
- Top edge rail capping protects the edge of the glass.

#### Additional Hardware Requirements

Top edge mounted continuous interlinking capping or bracket mounted continuous rail connected to each pane of glass and to the building.





# SAFER

## Viridian Toughened Laminated Safety Glass With EVA Interlayer

### Glass Type

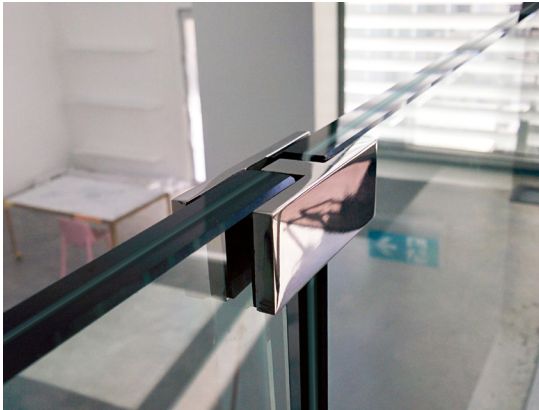
Viridian Toughened Laminated Safety Glass with EVA interlayer with either interlinking glass clamps or capping. In the event of the glass breaking, the fragments of glass stay bonded to the interlayer. Interlinking clamps or capping will prevent glass collapse in case of dual pane fracture.

### Benefits

- If the glass breaks, glass fragments remain firmly bonded to the interlayer, eliminating fragments falling over the edge.
- Retains its clarity; is extremely durable and resistant to clouding, even after years of exposure.

### Additional Hardware Requirements

Top edge or bracket mounted continuous interlinking rail or interlinking glass clamps.



# SAFEST

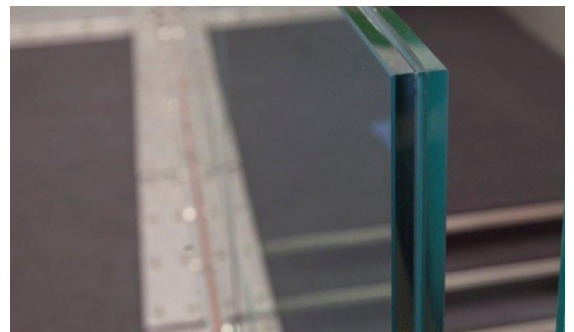
## Viridian Toughened Laminated Safety Glass With SentryGlas® Interlayer

### Glass Type

Viridian Toughened Laminated Safety Glass with SentryGlas® structural interlayer. SentryGlas® interlayers are five times stronger and up to 100 times stiffer than other conventional interlayers. This interlayer stays together and erect even when both panes of glass have been broken.

### Benefits

- Low deflection and stiff interlayer.
- Resistance to collapse; the rigid interlayer keeps the glass erect even after glass breakage.
- If the glass breaks, glass fragments remain firmly bonded to the interlayer, eliminating fragments falling over the edge.
- Retains its clarity; is extremely durable and resistant to clouding, even after years of exposure.
- No additional edge clamps or interlinking rails required.



Follow the QR to see  
a video of Viridian  
Sentryglas® in action.



## Product Key



Energy



Noise



Fire Protection



Structural



Bathroom



Security



Decorative



Storm



Knowledge



Clear Vision

**For architectural and design enquiries please contact**

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### **Auckland**

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Mt Roskill, Auckland  
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Phone 0800 387 645

### **Hamilton**

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Phone 0800 803 808

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