POSIGLAZE ELEVATION
SAFELITE STF Glass

POSIGLAZE SYSTEM
SAFELITE® STF (Sentry®) 13.52mm

**Panel Width Notes:**
Balustrade stiffener brackets or interlinking rail required for panels <1700mm.
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

For panel widths < 1700mm, interlinking rail (Edgetec or S40) or stiffener brackets required.

**Panel Widths < 1700mm Require Interlinking Rail (Edgetec or S40).**

**Important Note:** The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

POSIGLAZE SYSTEM
SAFELITE® STF (Sentry®) 17.52mm, 21.52mm

**Panel Width Notes:**
Balustrade stiffener brackets or interlinking rail required for panels <1100mm.
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

17.52mm – Residential & Commercial
Occupancy types A, A other, C3, B and E.

21.52mm – Commercial
Occupancy types C1, C2 and D.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

For Occupancies A, A other, C3, B & E only:
Panel widths < 1100mm require balustrade stiffener brackets or interlinking rail (Edgetec or S40).

For Occupancies C1, C2 & D:
1100mm minimum width applies.

**Important Note:** The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.
POSIGLAZE SYSTEM
SAFELITE® EVA Glass

POSIGLAZE ELEVATION
SAFELITE® EVA 15.2mm, 17.2mm

PANEL WIDTH NOTES:
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

J brackets must be MFG HB850 range
MINIMUM PANEL WIDTH 1000mm

MAXIMUM PANEL WIDTH 1900mm
rail on glass

MAXIMUM PANEL WIDTH 1700mm
rail on J bracket

Panel gap:
MIN 14mm
MAX 20mm

250mm MAX clamp spacing

125mm MAX overhang at ends

MIN 50mm
MAX 100mm

FULL HEIGHT SILICONE BUTT
JOIN REQUIRED AT CORNER

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

POSIGLAZE ELEVATION
SAFELITE® EVA 19.2mm

PANEL WIDTH NOTES:
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

J brackets must be MFG HB850 range
MINIMUM PANEL WIDTH 1000mm

MAXIMUM PANEL WIDTH 1900mm
rail on glass

MAXIMUM PANEL WIDTH 1700mm
rail on J bracket

Panel gap:
MIN 14mm
MAX 20mm

250mm MAX clamp spacing

125mm MAX overhang at ends

MIN 50mm
MAX 100mm

FULL HEIGHT SILICONE BUTT
JOIN REQUIRED AT CORNER

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

www.metroglass.co.nz
POSIGLAZE ELEVATION
TEMPAFLOAT Glass

POSIGLAZE SYSTEM
TEMPAFLOAT® 12mm

PANEL WIDTH NOTES:
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

INTERLINKING RAIL REQUIRED:
$25 (on glass only, MAX 1700mm panels)
$40 & Edgetec® (on MFG HB50 J brackets, MAX 1700mm panels)
$40 & Edgetec® (on glass, MAX 1900mm panels)

Panel gap:
MIN 14mm
MAX 20mm

MAXIMUM PANEL WIDTH 1900mm
rail on glass

MINIMUM PANEL WIDTH 1000mm
Panel gap:
MIN 14mm
MAX 20mm

MINIMUM PANEL WIDTH 1000mm

POSIGLAZE SYSTEM
TEMPAFLOAT® 15mm

PANEL WIDTH NOTES:
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

INTERLINKING RAIL ($40 or Edgetec®) REQUIRED

Panel gap:
MIN 14mm
MAX 20mm

MAXIMUM PANEL WIDTH 1900mm
rail on glass

MINIMUM PANEL WIDTH 1000mm
Panel gap:
MIN 14mm
MAX 20mm

MINIMUM PANEL WIDTH 1000mm

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.
POSIGLAZE SYSTEM
POOL FENCE ONLY (BASE FIX)

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

APPLIES TO FREE STANDING POOL FENCES NOT PROTECTING A FALL OF > 1000mm.
As of Jan 2017, complies with Building Code clause F9 & section 162C of the building Act.

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

POSIGLAZE SYSTEM
POOL FENCE ONLY (SIDE FIX)

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

APPLIES TO FREE STANDING POOL FENCES NOT PROTECTING A FALL OF > 1000mm.
As of Jan 2017, complies with Building Code clause F9 & section 162C of the building Act.
**POSIGLAZE ELEVATION**

**Stair Balustrade**

**POSIGLAZE SYSTEM**

**STAIR BALUSTRADE**

**GLASS & FIXING SPECIFICATIONS:**
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

**IMPORTANT NOTE:** The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

**POSIGLAZE GLASS BALUSTRADE SYSTEM**

**END OF INTERLINKING RAIL MUST BE CONNECTED TO STRUCTURAL ELEMENT**

**CUSTOM RAIL JOINT**

**REFER TO ELEVATION DRAWING PANEL WIDTH, RAIL & BRACKET REQUIREMENTS**

**MINIMUM 1000mm (all panels)**

**LAST GLASS PANEL FUNCTIONS AS STRUCTURAL SUPPORT**

**MIN 900**

**Last glass panel to commence at less than 999mm above FL (approx 6-7 steps up)**

**IMPORTANT NOTE:** The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

**TEMPAFLOAT®**
Toughened Safety Glass

**SAFELITE® EVA**
Laminated Safety Glass

**SAFELITE® STF (Sentry®)**
Laminated Safety Glass with Rigid Interlayer

**OR**

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**LIC. No.:**

- **2625** Christchurch (T TL)
- **2603** Wellington (T TL)
- **2718** Tauranga (T TL)
- **2518 & 2465** Auckland (T TL)

The specifier must ensure that the handrail requirements are for stairways as per the NZ Building Code are complied with.