



GLASS BALUSTRADE

The Guardian Glass Balustrade range is a modern, architecturally designed modular system that meets NZ safety standards and is easy to install around your outdoor living space.

This buyers guide will help you get started with transforming your outdoor living space.

FEATURES:

- ➔ Spigots made from 2205 Stainless Steel
- ➔ Toughened safety glass - meets NZS 1170.1 safety standards and wind loads as per AS/NZS 1170.2
- ➔ 12 year warranty
- ➔ Installation instructions included



📍 www.guardianfencing.co.nz

Contact Us

📷 @guardianfencingnz

✉ sales@guardianfencing.co.nz





Glass Balustrade

The Guardian Frameless Glass Balustrade Fencing range is a modern, architecturally designed modular system that meets NZ safety standards and is easy to install around your outdoor living space.

The superior grade stainless steel spigots, fittings and glass panels can transform your home into a safe and stylish outdoor living space.

All glass balustrade systems must be installed with a handrail (AS/NZS 1170). Guardian Glass panels are designed for use with a handrail, providing options between Offset and Top Mount handrail.

BEFORE YOU START

- Contact your local council before deciding on your Balustrade requirements.
- Refer to Guardian Glass Balustrade Producer Statement (PS1).
- For assistance email sales@guardianfencing.co.nz

SUITABLE USAGE

- Guardian Glass Balustrade fencing meets Australian/ New Zealand Safety Standards NZS 1170.1 and wind loads as per AS/NZS1170.2
- Spigot Posts - Can be installed on concrete, timber and tiled surfaces.

PANEL DETAILS

- All panels are made from quality 12mm heat soaked toughened safety glass.
- Balustrade Panels are designed for use with a handrail:
Spigot Balustrade - Simply turn glass so holes are covered by the Spigots if using with a Top Mount Handrail.
Face Fixed Balustrade - Designed for use a Top Mount Handrail.

WIND ZONES

- LOW TO EXTRA HIGH WIND ZONES.
Guardian Balustrade Systems are suitable for Low to Extra High Wind Zones.
- Refer to spacing chart on PS1.

CARE INSTRUCTIONS & CONSIDERATIONS

Satin is not recommended in coastal areas due to tea staining.

Exposure to UV light, pollution, salt deposits and chemicals can affect the performance of the product coating if not removed with regular washing.

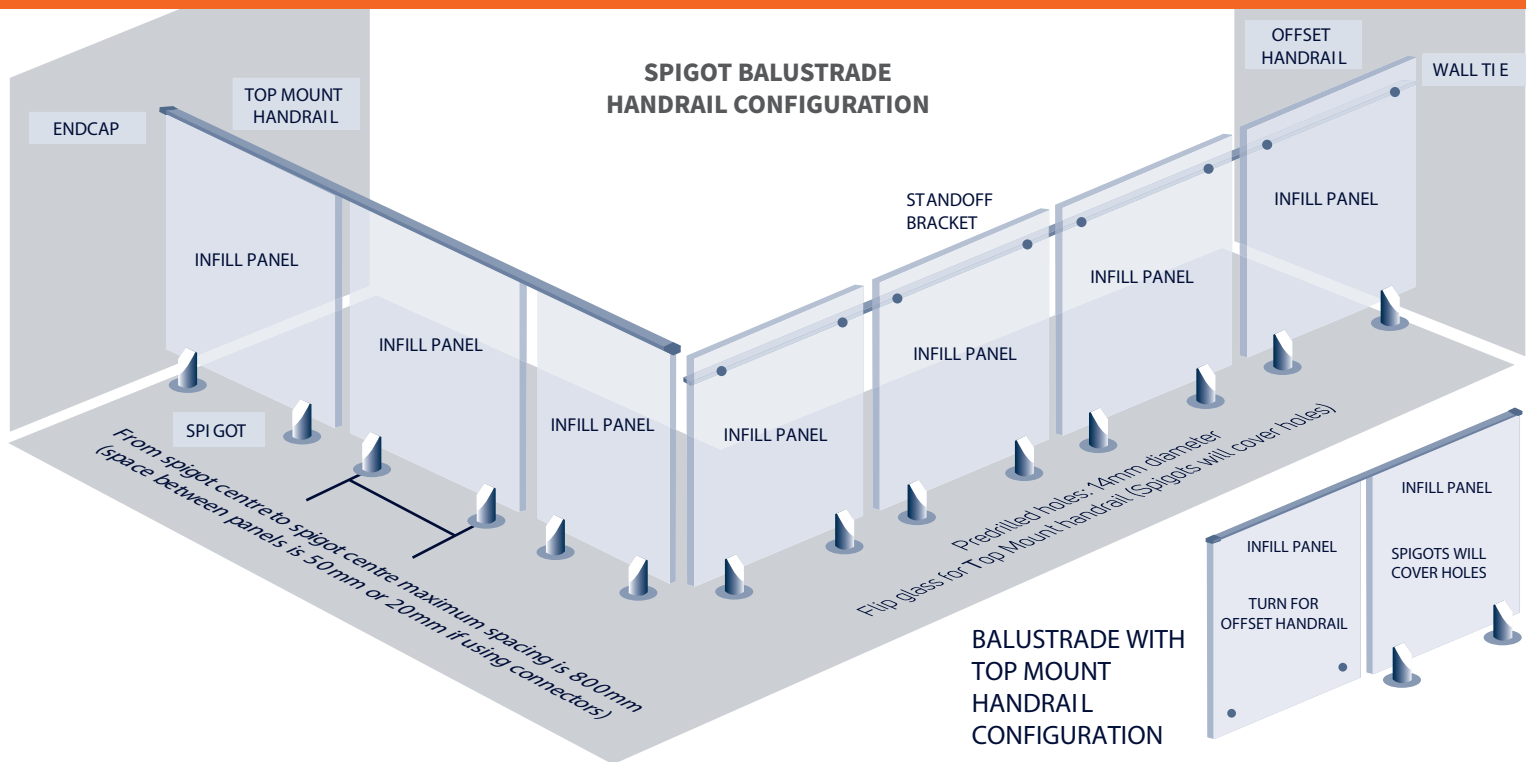
Components made from 316 marine grade stainless steel are subject to discolouration over time. This does not affect the structural integrity and longevity of the material and can be removed by following correct care and maintenance procedures.

For more information, visit www.guardianfencing.co.nz/resources

A gentle monthly clean with a soft brush, warm water and mild detergent followed by a rinse of fresh water will maintain the finish of both powder coated coloured and stainless steel fencing components.



BALUSTRADE INSTALLATION GUIDE



PLAN, MEASURE & ORDER

- Use the planner to establish your glass and hardware requirements.
- Calculate and mark on the checklist how many of each component is required.
- Contact one of our stockists to complete your order.
- For assistance email sales@guardianfencing.co.nz

STRING LINE & POSITIONS

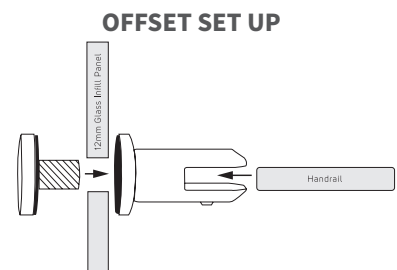
- Set up a level string line.
- Starting from the end of the string line mark out all Spigot positions.
- For best appearance Panels should be spaced approximately 50mm apart.

INSTALL SPIGOTS & PANELS

- Make sure all Spigots are straight for easy glass insertion.
- Remove cover plates from Spigots, drill the holes and fix the first 2 Spigots. Replace the cover plate.
- With Offset Handrail: Attach panel with the predrilled holes at the top.
- Top Mount Handrail: Attach the panel with the predrilled holes at the bottom, holes will be covered by the spigots.
- Insert the panel into the Spigots and adjust to ensure it is level before moving onto the next Panel.

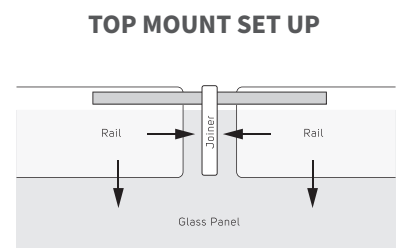
OFFSET HANDRAIL SET UP

- Fit the Stand Off Brackets into each of the predrilled holes in the panel and tighten.
- Fit End Bracket onto one Handrail. Starting from the end, fit handrail into the Stand Off Brackets and loosely tighten so it holds in place.
- Working across, connect Handrails together using the appropriate handrail Joiner. Loosely tighten the handrail into the Stand Off Brackets as you go.
- Finish with an End Bracket. Check positioning before final tightening of all screws.



TOP MOUNT HANDRAIL SET UP

- Fit desired End Cap onto the rail. Place rail onto glass in position. Working across connect the rails together using the appropriate Joiner. Cut the rail length if needed.
- Cut rail lengths with a hack saw in a mitre box. Smooth cut ends with a metal file and 180 grit sandpaper.
- Ensuring components are free of dust and contaminants, glue fittings onto the rail using Loctite 638 or Selleys Araldite Super Strength and wait to dry (24hrs).
- Remove rail and run a bead of Glazing Silicone (non acid cure) on the top edge of the glass. Replace the rail onto the glass and run a bead of Silicone along the edges of the rail that meets the glass.



BALUSTRADE MATERIALS CHECKLIST



TOOLS CHECKLIST

- | | |
|--|---|
| <input type="checkbox"/> TAPE MEASURE | <input type="checkbox"/> HEX KEY SET |
| <input type="checkbox"/> STRING LINE | <input type="checkbox"/> HACKSAW/ ANGLE GRINDER |
| <input type="checkbox"/> DRILL & DRILL BIT SET | <input type="checkbox"/> STEEL CAP FOOTWEAR |
| <input type="checkbox"/> SPIRIT LEVEL | <input type="checkbox"/> GLOVES (GLASS GRIP) |
| <input type="checkbox"/> STANLEY KNIFE | <input type="checkbox"/> TIMBER BLOCKS |

BEFORE YOU START

We recommend that before you commence any work that you contact your local council to check regulation requirements.

Producer Statement (PS1) available on request.

 sales@guardianfencing.co.nz

GLASS BALUSTRADE PANELS - PRE-DRILLED FOR HANDRAIL SYSTEM

PANEL SIZE	PRODUCT CODE	QTY
600mm x 970mm x 12mm	GF-BPANEL-600	
700mm x 970mm x 12mm	GF-BPANEL-700	
800mm x 970mm x 12mm	GF-BPANEL-800	
900mm x 970mm x 12mm	GF-BPANEL-900	
1000mm x 970mm x 12mm	GF-BPANEL-1000	

PANEL SIZE	PRODUCT CODE	QTY
1100mm x 970mm x 12mm	GF-BPANEL-1100	
1200mm x 970mm x 12mm	GF-BPANEL-1200	
1300mm x 970mm x 12mm	GF-BPANEL-1300	
1400mm x 970mm x 12mm	GF-BPANEL-1400	
1500mm x 970mm x 12mm	GF-BPANEL-1500	

SPIGOTS SYSTEM



PISA SPIGOT (ROUND)
STAINLESS STEEL

☐ **POLISHED**
CODE: GH-SF-RRF-P

☐ **SATIN**
CODE: GH-SF-RRF-S



EMPIRE SPIGOT (SQUARE)
STAINLESS STEEL

☐ **POLISHED**
CODE: GH-SF-RSF-P

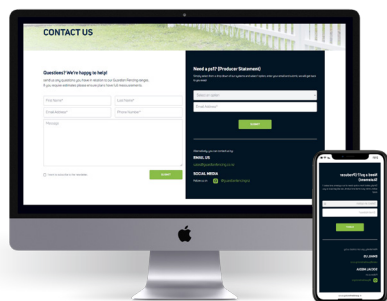
☐ **SATIN**
CODE: GH-SF-RSF-S



EIFFEL SPIGOT
STAINLESS STEEL

☐ **POLISHED**
CODE: GH-SF-RAF-P

Matt Black Option Available Pg 6



Need a PS1?

Submit an enquiry through our website.
www.guardianfencing.co.nz/contactus

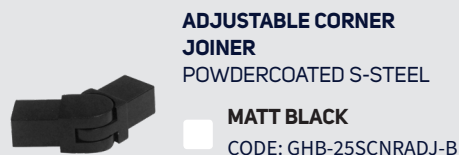


MATERIALS CHECKLIST

TOP MOUNT HANDRAIL SYSTEM



TOP MOUNT HANDRAIL SYSTEM



DISCLAIMER

- Customers should not rely solely on the advice of this brochure.
- Guardian Glass Balustrade must be installed with a handrail (AS/NZS 1170).
- Customers should consult a Licensed Building Practitioner if they have any concerns as to the suitability of the surface to which the fencing is being installed.
- Customers need to be aware that the installation needs to comply with the NZ Building code even where a building consent is not



MATERIALS CHECKLIST

OFFSET HANDRAIL SYSTEM



HANDRAIL 4M
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-HANDRAIL2.9-P



STAND OFF BRACKET
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-STPIN-P



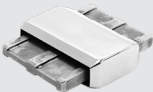
WALL TIE
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-HWALLT-P



END CAP
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-HENDC-P



INLINE JOINER
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-HINLINE-P



90° JOINER
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-HCNRJOIN-P



ADJUSTABLE CORNER
STAINLESS STEEL

☐ **POLISHED**
CODE: GHB-HCNRADJ-P

In need of inspiration?

Explore the official Guardian Fencing Instagram.

 [@guardianfencingnz](https://www.instagram.com/guardianfencingnz)



Face Fixed Balustrade

PLAN, MEASURE & ORDER

- Use the planner to establish your glass and hardware requirements.
- Calculate and mark on the checklist how many of each component is required.
- Contact one of our stockists to complete your order.

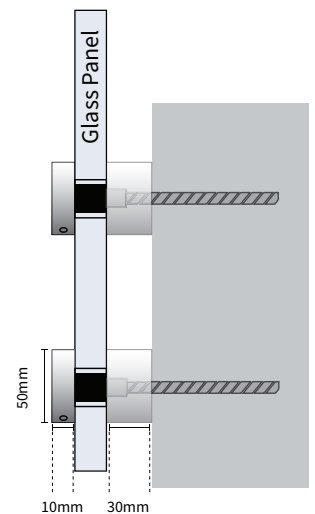
MARK LINE & POSITIONS

- Mark the fence line at the start and finish points of each glass panel.
- Starting from the end of the string line, mark out all Standoff pin positions.
- For best appearance, Panels should be spaced approximately 50mm apart if not using Connectors, and 20mm if using Connectors.

INSTALL PINS & PANELS

- Set up Standoff pins for installation using appropriate fixings.
- Install the glass panels. Tighten the standoff pins using the spanner tool.
- Fit Top Mount handrail onto panels.
- Full installation instructions are available for download on our website.

FACE FIXED SET UP



MATERIALS CHECKLIST

FACE FIXED GLASS PANELS - PRE-DRILLED FOR STANDOFF PINS (Top-mount Handrail only)

PANEL SIZE	PRODUCT CODE	PINS REQUIRED	QTY
600mm x 1280mm x 12mm	GF-FFPANEL-600	4	
700mm x 1280mm x 12mm	GF-FFPANEL-700	4	
800mm x 1280mm x 12mm	GF-FFPANEL-800	6	
900mm x 1280mm x 12mm	GF-FFPANEL-900	6	
1000mm x 1280mm x 12mm	GF-FFPANEL-1000	6	

PANEL SIZE	PRODUCT CODE	PINS REQUIRED	QTY
1100mm x 1280mm x 12mm	GF-FFPANEL-1100	6	
1200mm x 1280mm x 12mm	GF-FFPANEL-1200	8	
1300mm x 1280mm x 12mm	GF-FFPANEL-1300	8	
1400mm x 1280mm x 12mm	GF-FFPANEL-1400	8	
1500mm x 1280mm x 12mm	GF-FFPANEL-1500	8	

FACE FIXED ACCESSORIES



STANDOFF PIN 50X30MM
STAINLESS STEEL
☐ **POLISHED**
CODE: GHB-FACEFIXPIN



STANDOFF PIN 50X30MM
POWDERCOATED S-STEEL
☐ **MATT BLACK**
CODE: GHB-FACEFIXB



STANDOFF PIN SPANNER
INSTALLATION OF 50MM PINS
☐ **STAINLESS STEEL**
CODE: GHB-SPANNER

