# GUARDIAN

# **BUYERS GUIDE**



The Guardian Glass Pool & Balustrade Fencing range is a modern, architecturally designed modular system that meets NZ safety standards, perfect for elevating your outdoor living space.

This buyers guide will assist you in choosing the ideal glass fencing system to meet your project requirements.

# Request a Ps1

**Scan the QR** or visit our website to request a **Producer Statement** (PS1)



Scan Me

# Visit Us 🖾

www.guardianfencing.co.nz

- **SINSTALLATION GUIDES**
- **GLASS CALCULATOR**
- **REQUEST A PS1**

Contact Us 🗹

sales@guardianfencing.co.nz

Follow Us 💿

@guardianfencingnz





# Glass Pool

The Guardian Frameless Glass Pool Fencing range provides a modern, architecturally designed modular system that will add a contemporary and sophisticated look to your home.

Glass provides an uninterrupted view creating a seamless open flow between outdoor areas, while reflecting light and making small backyards seem larger.

# **KEY FEATURES:**

- Spigots made from 2205 Stainless Steel
- Toughened safety glass meets AS/NZ 2208 (Australian/New Zealand)
- 12 year warranty
- Installation instructions available

(See page 10 for care & maintenance)

# **BEFORE YOU START**

- Contact your local council before deciding on your fencing requirements.
- Check for all underground services.
- In the case of a pool fence, ensure your gate opens away from the pool. Your latch will sit 300mm down on the inside of the pool area.
- If using inline Latch & Hinge set you will require a hinge panel with pre-drilled holes for your gate to hinge on. See our product list for options.
- Hinge and Latch sets availible for wall-mount and corner attachment.
- Refer to Guardian Glass Pool Fencing Producer Statement (PS1).

# **SUITABLE USAGE**

- Pool Fencing Guardian glass
  pool fencing meets
  Australian/New
  Zealand Safety
  Standards AS1926.1
- Spigot Posts Can be installed onto concrete, paved, tiled and timber surfaces. (Refer to PS1 for fixing requirements)

# **PANEL DETAILS**

- All panels are made from quality 12mm Toughened Safety Glass and are all 1200mm high.
- Gates are made from quality 8mm toughened safety glass and are 1200mm high.

## **WIND ZONES**

- LOW to EXTRA HIGH WIND LOADS.

  This system is 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.

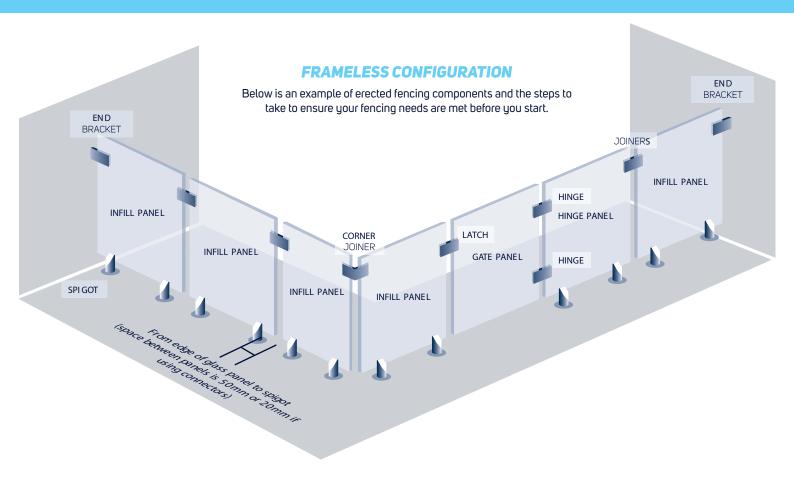
Exposure to UV light, pollution, salt deposits and chemicals can affect the performance of the product coating if not removed with regular washing.

Components made from 316 marine grade stainless steel are subject to discolouration over time. This is 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.

# **FRAMELESS INSTALLATION**



## **PLAN, MEASURE & ORDER**

- Establish fence and gate position by creating a map of your site using the planner.
- 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 on the fence line.
- Starting from the end of the fence, place the Spigots and mark out all Spigot positions.
- For best appearance,
  Panels should be
  spaced approximately
  50mm apart if not using
  Connectors and 20mm if
  using Connectors.

## **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.
- Insert the panel into the Spigots and adjust to ensure it is level before moving on to the next panel.

## **INSTALL THE GATE**

- Attach the hinge and latch components to the Gate Panel and the Hinge Panel making sure the latch is on the inside.
- Use timber blocks to assist with attaching the gate to the hinge panel.
- Use an Allen key to tension the hinge so that the gate is self closing from any position.

# **GATE TO GLASS HINGE & LATCH SETUP**



# **GLASS POOL SYSTEM**

**PANELS & ACCESSORIES** 



# TOOLS CHECKLIST ⊗

- TAPE MEASURE
- STRING LINE
- DRILL & DRILL BIT SET
- SPIRIT LEVEL
- STANLEY KNIFE

- HEX KEY SET
- HACKSAW/ ANGLE GRINDER
- STEEL CAP FOOTWEAR
- GLOVES (GLASS GRIP)
- TIMBER BLOCKS

# Require Council Consent?

Scan the QR or visit our website to access request a Producer Statement (PS1)



# **GLASS INFILL PANELS**

PANEL SIZE	PRODUCT CODE	QTY
300mm x 1200mm x 12mm	GF-INPANEL-300	
400mm x 1200mm x 12mm	GF-INPANEL-400	
500mm x 1200mm x 12mm	GF-INPANEL-500	
600mm x 1200mm x 12mm	GF-INPANEL-600	
700mm x 1200mm x 12mm	GF-INPANEL-700	
800mm x 1200mm x 12mm	GF-INPANEL-800	
900mm x 1200mm x 12mm	GF-INPANEL-900	
1000mm x 1200mm x 12mm	GF-INPANEL-1000	
1100mm x 1200mm x 12mm	GF-INPANEL-1100	
1200mm x 1200mm x 12mm	GF-INPANEL-1200	
1300mm x 1200mm x 12mm	GF-INPANEL-1300	
1400mm x 1200mm x 12mm	GF-INPANEL-1400	
1500mm x 1200mm x 12mm	GF-INPANEL-1500	

# **GLASS HINGE PANELS**

PANEL SIZE	PRODUCT CODE	QTY
900mm x 1200mm x 12mm	GF-HPANEL-900	
1000mm x 1200mm x 12mm	GF-HPANEL-1000	
1100mm x 1200mm x 12mm	GF-HPANEL-1100	
1200mm x 1200mm x 12mm	GF-HPANEL-1200	
1300mm x 1200mm x 12mm	GF-HPANEL-1300	

# **GLASS GATE PANEL**

PANEL SIZE	PRODUCT CODE	QTY
900mm x 1200mm x 8mm	GF-GPANEL-900	

# Need help with Installation?

**SCAN THE QR** or visit our website to access all Guardian Installation Guides.



# **GLASS POOL SYSTEM ACCESSORIES**

We offer a range of high-quality glass fixing components to accommadate for individual style preferences and ensure a modern, up-market finish.

# **TOP MOUNT SPIGOT SYSTEM**



# **EMPIRE SPIGOT (SQUARE)**

STAINLESS STEEL

**POLISHED** 

CODE: GH-SF-RSF-P

SATIN

CODE: GH-SF-RSF-S

MATT BLACK

CODE: GH-SF-RSF-B



# **EIFFEL SPIGOT**

STAINLESS STEEL

**POLISHED** 

CODE: GH-SF-RAF-P

MATT BLACK

CODE: GH-SF-RAD-B



## **PISA SPIGOT (ROUND)**

STAINLESS STEEL

**POLISHED** 

CODE: GH-SF-RRF-P

# **FACE FIXED SPIGOT SYSTEM**



## **FACE FIXED SPIGOT**

STAINLESS STEEL

**POLISHED** 

CODE: GHB-FF029-P

**MATT BLACK** 

CODE: GHB-FF029-B

# Matt Black Hardware Suitable for Pool and Balustrade



- Electrostatic powdercoated stainless steel
- More durable and corrosion resistant than ordinary polished or brushed surfaces



# **GLASS CONNECTORS**

(OPTIONAL)

# **INLINE JOINER**

STAINLESS STEEL



**POLISHED** 

CODE: GH-GC-INLINE-P

CODE: GH-GC-INLINE-S

MATT BLACK CODE: GH-GC-INLINE-B

# **POLISHED**

**CORNER JOINER** 

STAINLESS STEEL

CODE: GH-GC90-CNR-P

CODE: GH-GC90-CNR-S

MATT BLACK

CODE: GH-GC90CRNR-B

# **END BRACKET**

STAINLESS STEEL



CODE: GH-GCENDBRKT-P

CODE: GH-GCENDBRKT-S

MATT BLACK

CODE: GH-GC-ENDBRCK-B

# **GLASS GATE COMPONENTS**





**POLISHED** 

CODE: GH-LATCH180-P



SATIN

CODE: GH-LATCH180-S

MATT BLACK

CODE: GH-LATCH180-B

## **GATE LATCH WALL/POST MOUNT**

STAINLESS STEEL



**POLISHED** 

CODE: GHB-WPLATCH-P



SATIN

CODE: GHB-WPLATCH-S

MATT BLACK

CODE: GHB-WPLATCH-B



## **GATE OUTSWING LATCH**

STAINLESS STEEL



**POLISHED** CODE: GHB-LATCHCNR-P

SATIN

CODE: GHB-LATCHCNR-S

MATT BLACK

CODE: GHB-LATCHCNR-B

### **INLINE GATE HINGE**

STAINLESS STEEL - 2 PACK



### **POLISHED**

CODE: GH-HINGE-G2G-P

### SATIN

CODE: GH-HINGE-G2G-S

### **MATT BLACK**

CODE: GH-HINGE-G2G-B

### WALL/POST TO GLASS HINGE STAINLESS STEEL - 2 PACK

### **POLISHED**

CODE: GHB-HINGE-SQ-P

## SATIN

CODE: GHB-HINGE-SQ-S

## MATT BLACK

CODE: GHB-HINGE-SO-B





# Glass Balustrade

The Guardian Frameless Glass Balustrade Fencing range complies with New Zealand standards, providing stylish, safe and secure protection from heights. Choose from either Top Fixed or Face-Fixed fixings with multiple styles and finishes as well as electrostatic coated matt black accessories, our most popular choice across kiwi homes.

Balustrade must be installed with a handrail for compliance, there are 2 options featuring classic top cap or offset for an elegant floating look.

All glass balustrade systems must be installed with a handrail (AS/NZS 1170).

# **KEY 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 available

(See page 10 for care & maintenance)

# Need help with Installation?

**SCAN THE QR** or visit our website to access all Guardian **Installation Guides**.



# **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
- Refer to spacing chart on PS1.

Zones.



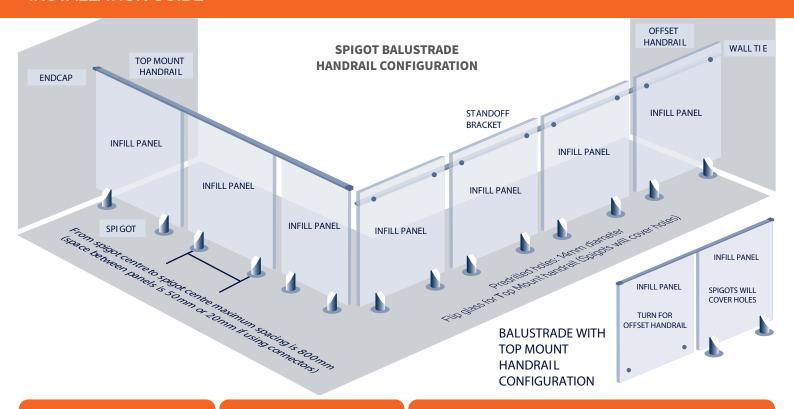
# ✓ Need a PS1?

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



# **GLASS BALUSTRADE SYSTEM**

# **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.

# **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 Stength 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.

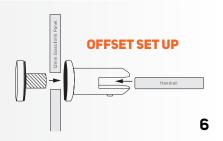
# Rail Rail

**TOP MOUNT SET UP** 

# 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.



# **GLASS BALUSTRADE SYSTEM**

**PANELS & ACCESSORIES** 





# **TOOLS CHECKLIST ⊗**

- TAPE MEASURE
- **HEX KEY SET**

STRING LINE

- HACKSAW/ ANGLE GRINDER
- **DRILL & DRILL BIT SET**
- STEEL CAP FOOTWEAR
- SPIRIT LEVEL
- GLOVES (GLASS GRIP)
- STANLEY KNIFE
- TIMBER BLOCKS

# Require Council Consent?

Scan the QR or visit our website to access request a **Producer Statement (PS1)** 



## **GLASS BALUSTRADE PANELS** (PRE-DRILLED FOR STANDOFF PINS)

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	

# **TOP MOUNT SPIGOT SYSTEM**



# **EMPIRE SPIGOT (SQUARE)**

STAINLESS STEEL

POLISHED

CODE: GH-SF-RSF-P

CODE: GH-SF-RSF-S

MATT BLACK

CODE: GH-SF-RSF-B



# **EIFFEL SPIGOT**

STAINLESS STEEL

**POLISHED** 

CODE: GH-SF-RAF-P

MATT BLACK

CODE: GH-SF-RAD-B



# PISA SPIGOT (ROUND)

STAINLESS STEEL

**POLISHED** 

CODE: GH-SF-RRF-P

# **FACE FIXED SPIGOT SYSTEM**



# **FACE FIXED SPIGOT**

STAINLESS STEEL

**POLISHED** 

CODE: GHB-FF029-P

MATT BLACK

CODE: GHB-FF029-B

# Need further assistance?

**EMAIL US** at sales@guardianfencing.co.nz or scan the QR to fill in the contact form.

> **∇** Visit us www.guardianfencing.co.nz



# **GLASS BALUSTRADE SYSTEM**

# **ACCESSORIES**

# **TOP MOUNT HANDRAIL SYSTEM**

# **POLISHED & SATIN - STAINLESS STEEL**

## **HANDRAIL 2.9M**



**POLISHED** CODE: GHB-RIL-SQ2.9-P

CODE: GHB-RIL-SQ2.9-S



### **INLINE JOINER**

**POLISHED** 

CODE: GHB-25SJNR-P

CODE: GHB-25SJNR-S



# **END CAP**

**POLISHED** 

CODE: GHB-25SEDCP-P

CODE: GHB-25SEDCP-S





**POLISHED** 

CODE: GHB-25SWALL-P

SATIN

CODE: GHB-25SWALL-S



### 90° JOINER

**POLISHED** 

CODE: GHB-25S90C-P

SATIN

CODE: GHB-25S90C-S



### **ADJUSTABLE CORNER JOINER**

**POLISHED** 

CODE: GHB-25SCNRADJ-P

# **TOP MOUNT HANDRAIL SYSTEM**

### MATT BLACK - ELECTROSTATIC POWDERCOATED SS



## **HANDRAIL 2.9M**



CODE: GHB-RIL-SO2.9-B



### INLINE JOINER

**MATT BLACK** 

CODE: GHB-25SJNR-B



### **END CAP**

MATT BLACK

CODE: GHB-25SEDCP-B



## WALLTIE

POWDERCOATED SS

MATT BLACK

CODE: GHB-25SWALL-B



## 90° JOINER

MATT BLACK

CODE: GHB-25S90C-B



## **ADJUSTABLE CORNER JOINER**

MATT BLACK

CODE: GHB-25SCNRADJ-B

# **OFFSET HANDRAIL SYSTEM**

### POLISHED ONLY- STAINLESS STEEL





POLISHED

CODE: GHB-HNDRAIL2.9P



### STAND OFF BRACKET

**POLISHED** 

CODE: GHB-STPIN-P



### **WALL TIE**

POLISHED

CODE: GHB-HWALLT-P



# **END CAP**

**POLISHED** CODE: GHB-HENDC-P



### **INLINE JOINER**

**POLISHED** 

CODE: GHB-HINLINE-P



### 90° JOINER

**POLISHED** 

CODE: GHB-HCNRJOIN-P



### **ADJUSTABLE CORNER**

POLISHED

CODE: GHB-HCNRADJ-P







# **PLAN, MEASURE & ORDER**

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

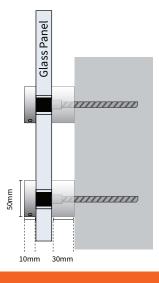
# **MARK LINE & POSITIONS**

- 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 approporaite 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**



# **FACE FIXED BALUSTRADE SYSTEM**

PANELS & ACCESSORIES

# **FACE FIXED GLASS PANELS**

(PRE-DRILLED FOR STANDOFF PINS)

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	

Note: Suitable for	Top-mount	Handrai	l only
--------------------	-----------	---------	--------

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-FACEFIXPINP



**STANDOFF PIN 50X30MM**POWDERCOATED S-STEEL

MATT BLACK
CODE: GHB-FACEFIXB



STANDOFF PIN SPANNER
INSTALLATION OF 50MM PINS

**STAINLESS STEEL**CODE: GHB-SPANNER

# **GLASS POOL & BALUSTRADE**

**CARE & MAINTENANCE** 

# **GLASS CARE & MAINTENANCE**

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

To maintain a clean, clear, and luxurious look to your glass fence, follow these simple steps:

- Rinse the glass with a low-pressure garden hose to remove any loose surface deposits
- 2. Using a clean non-abrasive cloth and warm soapy water (use dishwashing liquid instead of glass cleaners), remove any remaining dust, salt, and other deposits.
- 3. Rinse off with a low-pressure garden hose. Then allow the glass to air dry or use a good quality squeegee to remove excess water.



# STAINLESS STEEL ACCESSORIES

**Guardian Stainless Steel components** made from **316 marine grade stainless** steel are subject to discolouration over time. This discolouration is commonly known as Tea Staining and can be removed by following correct maintenance procedures.

Use specialised cleaning products such as a Stainless Steel Cleaner and a non-scratch cleaning sponge.

- Perform regular maintenance (every 3 months)
- Wash regularly with clean fresh water, mild detergent and a cloth or soft brush
- After washing, rinse with clean water and wipe the surface dry with a soft absorbent cloth going with the grain on brushed stainless steel
- Do not use abrasive cleaners or a scouring pad of any type to avoid excessive wear and dulling the finish

# **GUARDIAN RESOURCES**



# Visit our Website:

✓ Inspiration
✓ Estimates

Need a PS1?
SCAN THE QR to request a PS1 today.



# WHERE TO BUY



You can find Guardian Fencing products at selected hardware stores across New Zealand. **Visit our website to find your nearest stockist.** 

# **GLASS CALCULATOR**

**Not sure how to get started?** Use our personalised Glass Calculator to make project planning a breeze.

Scan me





# **PRODUCT 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 required.

