

Direct fix brackets for top fixing for Residential and commercial balustrades

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## Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



Glass Vice® confirms that this minimum level of assurance has been met or exceeded by the following:

Glass Vice Products limited

[PS1](#)

## Technical Statement

### Product Description

Glass Vice® Balustrade systems are designed to provide a range of modern design options for Frameless Glass. Glass Vice® has designed and patented unique products specifically for the New Zealand market. The Direct Fix brackets can be fixed to a variety of deck types, such as timber, concrete, steel and waterproof membranes. Glass Vice® has a solution for all balustrade requirements.

The Direct fix brackets can be used for both swimming pools and balustrades without having to change products. The unique design allows for wider spans of glass creating the minimal look.

Our Frameless glass systems are specified to rigorous engineering standards and are tested independently to ensure that the highest standards are met, surpassed and maintained.

Glass Vice® Direct Fix brackets meet B1 B2 F2 and F4. All PS1 Design documentation available.

Full manufacturers warranty. Technical support available.

### Scope of use

The Direct fix brackets can be used for both swimming pools and balustrades without having to change products. The unique design allows for wider spans of glass creating the minimal look. The vices themselves can also be powder coated at an additional cost to give the desired effect with its surrounding environment.

Pool Fencing - Pool fencing: Glass Vice® Pool Fencing system uses 2 metre sheets of 12mm Toughened safety glass with 2 Glass Vice® clamps. Glass Vice® pool fencing solutions comply with all Council and building code requirements. Glass Vice Direct Fix brackets can be used for pool fencing and balustrades which means when the pool area is over a metre drop the Glass Vice Clamps comply with the balustrade regulations as well as the pool fencing regulations.

Our Frameless glass systems are specified to rigorous engineering standards and are tested independently to ensure that the highest standards are met, surpassed and maintained. Glass Vice® Direct Fix brackets meet B1 B2 F2 and F4. All PS1 Design documentation available. Full manufacturers warranty. Technical support available.

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.4(a)
- **Clause B2 Durability:** Performance B2.3.1(c), B2.3.2(b)
- **Clause F2 Hazardous building materials:** Performance F2.3.3, F2.3.3(a)
- **Clause F4 Safety from falling:** Performance F4.3.1, F4.3.4, F4.3.4(a), F4.3.4(b), F4.3.4(c), F4.3.4(d), F4.3.4(e), F4.3.4(f), F4.3.4(g), F4.3.4(h), F4.3.5, F4.3.5(a), F4.3.5(b)

### Notes

Producer Statements and technical information is available on our Website under the appropriate section.

### Supporting Evidence

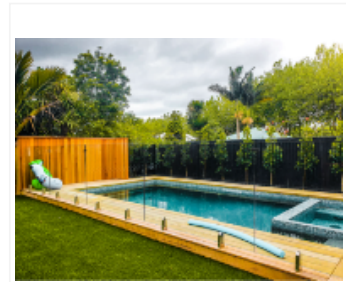
The product has and can make available the following additional evidence to support the above statements:

Glass Vice Products limited

[PS1](#)

### Use in Service History

All Technical details available upon request.



**masterspec partner**

### Company Contact Details



Company: Glass Vice Products Limited

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## Product Criteria

### Design requirements

Glass Vice® glass balustrade systems comply with specifications and requirements of the building code. With a Glass Vice glass balustrade you choose Top Rail or NO TOP RAIL Glass Vice glass balustrades have a solution for both options. You choose either a slimline top rail using Toughened safety glass or NO TOP RAIL using Laminated Sentry guard glass with a choice of Glass Vice glass balustrade solutions. Glass balustrade options by Glass Vice® are the the ideal design solution to enhance the architecture and your lifestyle.

We have Glass balustrade options available for decks, balconies, patios, staircases, steps, garden or retaining walls and even just as a glass wall or glass partition for a windbreak or a glass enclosure.

All Glass Vice® glass systems have been tested in New Zealand by New Zealand structural engineers - PS1 Design issued for consent on application.

### Installation requirements

Installation specifications available upon request on our website.

### Maintenance requirements

specifications available upon request on our website.

Hardware is 316 marine grade stainless steel.

### Warrantees

5 year warranty on hardware

## Company Product Information

### Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **14 May 2021**



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