

Top fix system and side fix system Aluminium Post & Rail for Residential 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 a BRANZ or independent Appraisal or CodeMark



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

[PS1](#)

Technical Statement

Product Description

Glass Vice® Southern Lites Aluminium Balustrade systems are designed to provide a range of modern design options for Semi Frameless Glass Balustrades for the New Zealand market. The Direct Fix and Side fixed systems 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.

Our Semi 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 ® Southern Lites meet B1 B2 F2 and F4. All PS1 Design documentation available on request.

Full manufacturers warranty. Technical support available.

Scope of use

The Direct Fix and Side fixed systems 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.

Our Semi 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 ®

The Glass is fixed in place by an 50mm modular aluminium railing which encompasses the top and sides. The aluminium can be powder coated to provide the desired finish.

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, B1.3.4(a), B1.3.4(b)
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.2, B2.3.2(a), B2.3.2(b)
- **Clause F2 Hazardous building materials:** Performance F2.3.3, F2.3.3(a), F2.3.3(b), F2.3.3(c)
- **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

PS1's are available on request, please refer to our website for technical data.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Product is designed and tested to meet the building code for internal and External balustrades on residential and commercial properties.

The system will also meet pool fencing requirements

Supporting Evidence

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

Glass Vice Products

[PS1](#)

Use in Service History

Producer statement available upon request.



masterspec partner

Company Contact Details



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Product Criteria

Design requirements

Southern Lites provides a semi frameless option for balustrades and Pool Fencing. The system requires side and top railing for strength and durability in line with building code. The system is able to be Top Fixed and also side fixed to Concrete or timber.

The Glass is fixed in place by an 50mm modular aluminium railing which encompasses the top and sides. The aluminium can be powder coated to provide the desired finish.

Installation requirements

Installation will differ from residential balustrades to commercial as well as pool fencing so please refer to website for installation requirements.

the fixings will differ depending on the substrate the balustrade is fixed to.

Maintenance requirements

please refer to website

Warrantees

please refer to website

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **13 May 2021**



Date last updated: **13 May 2021**

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