

Glass Vice® Commercial balustrade systems.

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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

The Glass Vice® Commercial Balustrade system requires NO holes in the glass. Designed using the Glass Vice® Handrail system and the Glass Vice® Glass clamps.

The system uses 15mm glass with a minimal 40mm x 20mm continuous rail. The continuous railing adds a huge safety factor to Frameless Glass systems in areas of public gathering. The Glass Vice® Commercial Glass balustrade systems have been independently tested in NZ.

C1/C2 Areas with tables or fixed seating - Areas with fixed seating adjacent to a balustrade, restaurants, bars etc.

C3 - Areas without obstacles for moving people and not susceptible to overcrowding - Stairs, landings external balconies, edges of roofs, etc.

C5 - Areas susceptible to overcrowding - Theatres, cinemas, grandstands, discotheques, bars, auditoria, shopping malls (see also D), assembly areas, studios, etc.

D - Retail areas - All retail areas including public areas of banks / building societies, (see C5 for areas where overcrowding may occur)

### Scope of use

The Glass Vice® Commercial Glass balustrade systems have been independently tested in NZ. C1/C2 Areas with tables or fixed seating - Areas with fixed seating adjacent to a balustrade, restaurants, bars etc. C3 - Areas without obstacles for moving people and not susceptible to overcrowding - Stairs, landings external balconies, edges of roofs, etc. C5 - Areas susceptible to overcrowding - Theatres, cinemas, grandstands, discotheques, bars, auditoria, shopping malls (see also D), assembly areas, studios, etc. D - Retail areas - All retail areas including public areas of banks / building societies, (see C5 for areas where overcrowding may occur)

### 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(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

NZ.C1/C2 Areas with tables or fixed seating - Areas with fixed seating adjacent to a balustrade, restaurants, bars etc. C3 - Areas without obstacles for moving people and not susceptible to overcrowding - Stairs, landings external balconies, edges of roofs, etc. C5 - Areas susceptible to overcrowding - Theatres, cinemas, grandstands, discotheques, bars, auditoria, shopping malls (see also D), assembly areas, studios, etc. D - Retail areas - All retail areas including public areas of banks / building societies, (see C5 for areas where overcrowding may occur)

### Evidence

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

All information is available upon request via our website.

All products rigorously tested and signed off to appropriate to code.

### Supporting Evidence

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



**masterspec partner**

### Company Contact Details



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Glass Vice Products

PS1

## Product Criteria

### Design requirements

A barrier installed inside a dwelling needs to be designed to withstand a horizontal load of .35kn/m whereas a barrier in a heavily frequented space such as a shopping center requires 3.0kn/m. Producer statements provided with the barrier design need to cover B1 (structure ) and B2 (durability) F2 (Hazardous material) and F4 (safety from falling) it is also important to ensure the scope of design is well described to verify its use and location.

### Installation requirements

installation guides must be followed with the appropriate fastenings and products used to ensure strength and stability.

### Maintenance requirements

The Glass vice Balustrade system meets Building Code requirements B1 and B2 for glass components only F2/AS1 clause 1.1 and F4/AS1 Clauses 1.1 and 1.2

### Warrantees

Glass Vice Products Ltd Provides warranties on our products. please follow up for more information on our website.

## Company Product Information

### Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **28 November 2022**



Date last updated: **28 November 2022**

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