

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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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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