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NZS 4223.3:2016 Glazing in buildings - Human impact safety requirements

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Abbreviation
 NZS 4223.3:2016
 Amendment
 Amendment 1 - incorporated, issued May 2016
 Valid from
 29/02/2016
 Replaces
 [NZS 4223.3:1999](#)

Information provider
 Standards New Zealand
 Author
 Standards New Zealand
 Information type
 New Zealand Standard
 Format
 PDF

Cited By
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Description

This Standard provides a means of compliance with the relevant performance requirements of Building Code Clauses B1, F2 and F4 in order to minimise the potential for injury to building users from glazing in buildings. Correction Amendment 1:2016 is incorporated.

Scope

NZS 4223.3 specifies minium requirements for glass selection and glazing in locations subject to human impact and safeguarding against falls.

All glazing wholly or in part within 2000mm of the floor or ground level and that is not protected from human impact is covered by this part of NZS 4223.

The following are excluded from the scope of NSS 4223 Parts 1, 2, 3, and 4:

- a) Glazing in lift cars and liftwells (refer to NZS 4223.1, Appendix A for guidance);
- b) Furniture glass, cabinet glass, vanities, glass basins, refrigeration units, internal glass fitments and glass wall linings, framed internal wall mirrors, and mirrors not specifically covered by these parts;
- c) Buildings and structures with no public access intended for non-habitable building structures for horticultural or agricultural use;
- d) Restoration or repairs to existing decorated glass;
- e) Glazing applications that might fail due to stresses other than tensile stresses, such as glass floors;
- f) Plastic glazing materials;
- g) The construction and installation of windows (refer to NZS 3504, NZS 3619, and NZS 4232.2);
- h) Glass blocks, pavers, slumped, formed, or cast glass;
- i) Point-fixed or point-supported systems, used for glazing, cladding, signage, and the like, not specifically covered by these Parts (refer to Part 1 for design criteria and guidance for specific design).

Previous versions:

[NZS 4223.3:1999](#)

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Previous versions

[NZS 4223.3:1999 Amendment Amendment A1 . - incorporated. Published 30/05/1999.](#)

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- [B1/AS1 \(First edition, Amendment 16\)](#)

NZS 4223.3:2016 is cited by Acceptable Solution B1/AS1: General from 01/06/2016

- [B1/AS1 \(First edition, Amendment 19\)](#)

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- [B1/AS1 \(First edition, Amendment 14\)](#)

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- [B1/AS1 \(First Edition, Amendment 17\)](#)

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- [B1/AS1 \(First edition, Amendment 13\)](#)

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- [B1/AS1 \(First Edition, Amendment 18\)](#)

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- [B1/AS1 \(First edition, amendment 15\)](#)

NZS 4223.3:2016 is cited by Acceptable Solution B1/AS1: General from 01/06/2016

- [D2/AS3 \(Second Edition, Amendment 7\)](#)

NZS 4223.3:2016 is cited by Acceptable Solution D2/AS3: Escalators and Moving Walks from 01/01/2017

- [F2/AS1 \(First Edition, Amendment 3\)](#)

NZS 4223.3:2016 is cited by Acceptable Solution F2/AS1: Hazardous Building Materials from 01/01/2017

- [NZS 4223.1:2008](#)

NZS 4223.3:2016 is cited by NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing

- [NZS 4223.2:2016](#)

NZS 4223.3:2016 is cited by NZS 4223.2:2016 Glazing in buildings Part 2: Insulating glass units

- [NZS 4223.4:2008](#)

NZS 4223.3:2016 is cited by NZS 4223.4:2008 Code of practice for glazing in buildings - Wind, dead, snow, and live actions

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This document CITES:

New Zealand Standards

- [AS/NZS 1170.0:2002](#)

NZS 4223.3:2016 cites AS/NZS 1170.0:2002 Structural Design Actions - General principles

- [AS/NZS 1170.1:2002](#)

NZS 4223.3:2016 cites AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

- [AS/NZS 1170.2:2011](#)

NZS 4223.3:2016 cites AS/NZS 1170.2:2011 (R2016) Structural Design Actions - Wind Actions

- [AS/NZS 2208:1996](#)

NZS 4223.3:2016 cites AS/NZS 2208:1996 Safety glazing materials in buildings

- [NZS 3504:1979](#)

NZS 4223.3:2016 cites NZS 3504:1979 Specification for aluminium windows

- [NZS 3619:1979](#)

NZS 4223.3:2016 cites NZS 3619:1979 Specification for timber windows

- [NZS 4223.1:2008](#)

NZS 4223.3:2016 cites NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing

- [NZS 4223.2:2016](#)

NZS 4223.3:2016 cites NZS 4223.2:2016 Glazing in buildings Part 2: Insulating glass units

- [NZS 4223.4:2008](#)

NZS 4223.3:2016 cites NZS 4223.4:2008 Code of practice for glazing in buildings - Wind, dead, snow, and live actions

- [NZS 4232.2:1988](#)

NZS 4223.3:2016 cites NZS 4232.2:1988 Performance criteria for fire resisting enclosures - Fire resisting glazing systems

- [NZS 8500:2006](#)

NZS 4223.3:2016 cites NZS 8500:2006 Safety barriers and fences around swimming pools, spas and hot tubs

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