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

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Abbreviation

NZS 4223.2:2016

Valid from

29/02/2016

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

Cited By

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Cites

[This resource cites 19 documents \(show Citations\)](#)

Description

This Standard sets out requirements for materials, design, glazing, and quality assurance of insulating glass units in buildings.

Scope

This Standard sets out requirements for materials, design, glazing, and quality assurance of insulating glass units in buildings. The Standard requires compliance with other parts of NZS 4223 and AS/NZS 4666

The following are excluded:

- 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).

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- [NZS 4223.1:2008](#)
NZS 4223.2:2016 is cited by NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing
- [NZS 4223.3: 2016](#)
NZS 4223.2:2016 is cited by NZS 4223.3: 2016 Glazing in buildings - Human impact safety requirements
- [NZS 4223.4:2008](#)
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New Zealand Standards

- [AS/NZS 4666:2012](#)
NZS 4223.2:2016 cites AS/NZS 4666:2012 Insulating glass units
- [NZS 3504:1979](#)
NZS 4223.2:2016 cites NZS 3504:1979 Specification for aluminium windows
- [NZS 3619:1979](#)
NZS 4223.2:2016 cites NZS 3619:1979 Specification for timber windows
- [NZS 4223.1:2008](#)
NZS 4223.2:2016 cites NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing
- [NZS 4223.3: 2016](#)
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- [NZS 4223.4:2008](#)
NZS 4223.2:2016 cites NZS 4223.4:2008 Code of practice for glazing in buildings - Wind, dead, snow, and live actions
- [NZS 4232.2:1988](#)
NZS 4223.2:2016 cites NZS 4232.2:1988 Performance criteria for fire resisting enclosures - Fire resisting glazing systems

Other

- [ASTM E2188 - 10](#)
NZS 4223.2:2016 cites ASTM E2188 - 10 Standard Test Method for Insulating Glass Unit Performance
- [ASTM E2189 - 10e1](#)
NZS 4223.2:2016 cites ASTM E2189 - 10e1 Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units
- [ASTM E2190 - 10](#)
NZS 4223.2:2016 cites ASTM E2190 - 10 Standard Specification for Insulating Glass Unit Performance and Evaluation
- [BS EN 1279-1:2004](#)
NZS 4223.2:2016 cites BS EN 1279-1:2004 Glass in building. Insulating glass units. Part 1: Generalities, dimensional tolerances and rules for the system description
- [BS EN 1279-2:2002](#)

NZS 4223.2:2016 cites BS EN 1279-2:2002 Glass in building. Insulating glass units. Part 2: Long term test method and requirements for moisture penetration

- [BS EN 1279-3:2002](#)

NZS 4223.2:2016 cites BS EN 1279-3:2002 Glass in building. Insulating glass units. Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances

- [BS EN 1279-4:2002](#)

NZS 4223.2:2016 cites BS EN 1279-4:2002 Glass in building. Insulating glass units. Part 4: Methods of test for the physical attributes of edge seals

- [BS EN 1279-6:2002](#)

NZS 4223.2:2016 cites BS EN 1279-6:2002 Glass in building. Insulating glass units. Part 6: Factory production control and periodic tests

- [ISO 20492-1:2008](#)

NZS 4223.2:2016 cites ISO 20492-1:2008 (R2012) Preview Glass in buildings - Insulating glass -- Part 1: Durability of edge seals by climate tests

- [ISO 20492-2:2008](#)

NZS 4223.2:2016 cites ISO 20492-2:2008 Preview Glass in buildings - Insulating glass -- Part 2: Chemical fogging tests

- [ISO 20492-3:2010](#)

NZS 4223.2:2016 cites ISO 20492-3:2010 Preview Glass in buildings -- Insulating glass -- Part 3: Gas concentration and gas leakage

- [ISO 20492-4:2010](#)

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