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# NZS 4211:2008 Specification for performance of windows

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Abbreviation

Citations

NZS 4211:2008

Amendment

Amendment 1 - incorporated. Published 28/05/2014.

Valid from

26/11/2008

Replaces

NZS 4211:1985

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

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### Description

This Standards specifies requirements for the performance of windows to be installed in exterior walls within the wind pressure limitations of the wind zones defined in table 5 and table 6.

The properties covered are strength, stiffness, operating facility, air infiltration, and water penetration.

This Standard specifically excludes skylights or roof windows, interior windows, fixed louvres, the weathertightness of the window perimeter in the external wall or facade, the fire rating, building facades, and durability.

#### Scope

This Standard specifically excludes:

- (a) Skylights or roof windows;
- (b) Interior windows;

- · (c) Fixed louvres;
- (d) Acoustics, thermal, and security performance;
- (e) The weather tightness of the window perimeter in the external wall or facade;
- (f) The fire rating:
- (g) Building facades (including curtain walls); and
- (h) Durability

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• E2/AS1 (Third Edition, Amendment 9)

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• B1/VM1 (First Edition, Amendment 11)

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• B1/VM1 (First edition, amendment 15)

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• B1/VM1 (First edition, Amendment 14)

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• B1/VM1 (First edition, Amendment 13)

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B1/VM1 (First Edition, Amendment 12.)

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B1/VM1 (First edition, Amendment 16)

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• B1/VM1 (First Edition, Amendment 18)

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• B1/VM1 (First edition, Amendment 19))

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• E2/VM1 (Third Edition, Amendment 9)

NZS 4211:2008 is cited by Verification Method E2/VM1: External Moisture from 01/08/2011

• BRANZ EM6 2011

NZS 4211:2008 is cited by BRANZ Evaluation Method EM6 2011 - Test and evaluation procedure for window and door supports

• CCANZ CP 01:2014

NZS 4211:2008 is cited by Code of Practice for Weathertight Concrete and Concrete Masonry Construction

• NZS 4223.1:2008

NZS 4211:2008 is cited by NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing

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New Zealand Standards

• AS/NZS 1170.0:2002

NZS 4211:2008 cites AS/NZS 1170.0:2002 Structural Design Actions - General principles

AS/NZS 1170.1:2002

NZS 4211:2008 cites AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

AS/NZS 1170.2:2002

NZS 4211:2008 cites AS/NZS 1170.2:2002 Structural Design Actions - Wind Actions

• AS/NZS 1170.3:2003 (Reconfirmed in 2016)

NZS 4211:2008 cites AS/NZS 1170.3:2003 (R2016) Structural Design Actions - Snow and ice actions

AS/NZS 4284:2008

NZS 4211:2008 cites AS/NZS 4284:2008 Testing of building facades

• NZS 1170.5:2004

NZS 4211:2008 cites NZS 1170.5:2004 Structural Design Actions - Part 5: Earthquake design actions - New Zealand

NZS 3604:1999

NZS 4211:2008 cites NZS 3604:1999 Timber framed buildings

NZS 4223.1:2008

NZS 4211:2008 cites NZS 4223.1:2008 Code of practice for glazing in buildings - Glass selection and glazing

NZS 4223.3:1993

NZS 4211:2008 cites NZS 4223.3:1993 Code of practice for glazing in buildings - Part 3: Human impact safety requirements

• NZS 4223.4:2008

NZS 4211:2008 cites NZS 4223.4:2008 Code of practice for glazing in buildings - Wind, dead, snow, and live actions

NZS 4229:1999

NZS 4211:2008 cites NZS 4229:1999 Concrete masonry buildings not requiring specific engineering design

NZS 4299:1998

NZS 4211:2008 cites NZS 4299:1998 Earth buildings not requiring specific design

• NZS ISO/IEC 17025:2005

NZS 4211:2008 cites NZS ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories

#### **Australian Standards**

AS 2047-1999

NZS 4211:2008 cites AS 2047-1999 Windows in buildings - Selection and installation

AS 4420.2-1996

NZS 4211:2008 cites AS 4420.2-1996 Windows - Methods of test - Part 2: Deflection test

• AS 4420.3-1996

NZS 4211:2008 cites AS 4420.3-1996 Windows - Methods of test - Part 3: Operating force test

AS 4420.4-1996

NZS 4211:2008 cites AS 4420.4-1996 Windows - Methods of test - Part 4: Air infiltration test

• AS 4420.5-1996

NZS 4211:2008 cites AS 4420.5-1996 Windows - Methods of test - Part 5: Water penetration resistance test

• AS 4420.6-1996

NZS 4211:2008 cites AS 4420.6-1996 Windows - Methods of test - Part 6: Ultimate strength test



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