NZS 4211:2008

SPECIFICATION FOR PERFORMANCE OF WINDOWS

AMENDMENT No. 1

28 May 2014

EXPLANATORY NOTE

The purpose of this amendment is to align the wind zones in NZS 4211:2008 *Specification for performance of windows* to those zones specified in NZS 3604:2011 *Timber-framed buildings*.

APPROVAL

Amendment No. 1 was approved on 22 May 2014 by the Standards Council to be an amendment to NZS 4211:2008.

REVISED TEXT

Foreword (page 6)

Delete fourth paragraph and **substitute:**

> This amendment to NZS 4211 incorporates the Extra High wind zone for more exposed building sites, as introduced in NZS 3604:2011. As this now covers part of the previous specific design region between the Very High and the 'Extreme' wind zones, the 'Extreme' zone is accordingly reduced in range but is still limited up to the maximum Ultimate Limit State (ULS) 2500 Pa. The 'Extreme' zone allows windows to be tested to NZS 4211 procedures, without consideration of the installation details even though they are being installed into buildings that are generally covered by NZS 3604 but may require some specific design related to higher wind speeds. Establishing that the specific ULS pressure is above the Extra High wind zone of NZS 3604 and within the nominal 'Extreme' zone becomes the responsibility of the building design engineer using calculations in accordance with AS/NZS 1170.

> (Amendment No.1, May 2014)

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1.4 (page 8)

Delete first paragraph and **substitute:**

> The calculation of ultimate limit state (ULS) and serviceability limit state (SLS) wind pressures between Extra High and Extreme (see tables 5 and 6) is the responsibility of the building design engineer.

(Amendment No.1, May 2014)

Add new paragraphs after third:

> Such windows may be tested using NZS 4211 procedures where the test pressures are based on the positive and negative ULS and SLS pressures calculated in accordance with AS/NZS 1170, and should include local pressure and internal pressure factors relevant to the location of the window on the building.
>
> Windows and doors that have calculated ULS test pressures beyond the scope of NZS 4211 should be tested together with their installation details in accordance with AS/NZS 4284.

(Amendment No.1, May 2014)

Table 1 (page 17)

Delete Table 1 and **substitute:**

Table 1 – SLS test pressures for windows not requiring specific design

Wind zone as specified in NZS 3604	Serviceability limit state (SLS) test pressure p_s
Low	± 510 Pa
Medium	± 680 Pa
High	± 970 Pa
Very High	± 1250 Pa
Extra High	± 1515 Pa

(Amendment No.1, May 2014)

Table 4 (page 20)

Delete Table 4 and **substitute:**

Table 4 – Water test pressures for windows not requiring specific design

Wind zone as specified in NZS 3604	Water test pressure (Pa)
Low	153
Medium	204
High	291
Very High	375
Extra High	455

(Amendment No.1, May 2014)

Table 5 (page 22)

Delete Table 5 and **substitute:**

Table 5 – ULS test pressures for windows not requiring specific design

Wind zone as specified in NZS 3604	Ultimate limit state (ULS) test pressure p_u
Low	± 720 Pa
Medium	± 960 Pa
High	± 1360 Pa
Very High	± 1760 Pa
Extra High	± 2130 Pa

(Amendment No.1, May 2014)