



## TECHNICAL COMPLIANCE STATEMENT – FIRE RATED WINDOWS

### Referenced Documents:

*C/AS2 Acceptable Solution for Buildings other than Risk Group SH, 1st edition 2019*

*For New Zealand Building Code Clauses C1-C6 Protection from Fire*

Section 4.2 covers Glazing in fire and smoke separations

- Paragraph 4.2.1 states “Glazing in *fire separations* shall be fixed *fire resisting glazing* having the same *FRR* values for *integrity* and *insulation* as the *fire separation*, except where uninsulated glazing is permitted within vision panels and for sprinklered *buildings*.”

The **Definitions** section of C/AS2 defines “**Fire resisting glazing** (as) Fixed or openable glazing, complete with frames and fixings, mullions, transoms and glazing beads, with a specified *FRR* and complying with NZS 4232.2”.

NZS 4232:1988 Part 2, while current, is widely regarded as “past its use by date”. From a Design perspective the Standard is technically sound but the **Determination of Fire Resistance** and **Marking** sections are out of step with the requirements of Paragraph 4.2.1 of the NZBC which defines the performance requirement for the window in the same terms as the wall of which it is a part.

*European based Declarations of Performance for window systems are similarly aligned with wall system and fire door performance specification.*

Window units manufactured by NZ Fire Doors Limited are therefore certified to:

**NZS 4520:2010**

***New Zealand Standard Fire-resistant doorsets***

Section 6 covers Marking and Documentation

- Paragraph 6.1.1 **Completed Installation** describes the process by which an installer must certify that the doorset has been correctly installed.

- Paragraph 6.4 details requirements for **Evidence of compliance** as follows:  
**“6.4.1 Attachment**  
**The attachment of labels to the doorset shall be evidence of compliance with NZS 4520 except where the reference to this Standard has been crossed out.”**

## STATEMENT

All fire windows supplied by NZ Fire Doors Limited comply with the requirements of NZS 4520 when installed in accordance with NZ Fire Doors Installation Instructions into a complying fire-resistant wall, and when fitted with approved hardware (when applicable). ***Such compliance will be evident by certification tags applied to the frame of each window unit. NZ Fire Doors tags will be in either of the two formats shown below.***



NZ Fire Doors Limited fire windows have been manufactured in accordance with the prescription/s detailed in Certifire Certificate of Approval CF 862

<https://www.warringtoncertification.com/certificates/CF862/2249/CF862%20Schott.pdf>

All glass used in NZ Fire Doors Limited fire rated windows meets European CE Standard 1(B)1 or 2(B)2 and so meets or exceeds the NZS Grade A Safety requirement. Glass Manufacturer's "Declarations of Performance" are available on request if required.

Windows manufactured by NZ Fire Doors Limited will satisfy the requirements of NZBC, B2 "Durability" under conditions of use, installation and maintenance specified by NZ Fire Doors, or specific contractual guarantees, whichever are overriding.

David Miller  
**General Manager**  
NZ FIRE DOORS LIMITED

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