



Certificate of Conformity

Certificate number: CM40322

Certification Body:



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THIS IS TO CERTIFY THAT

Firezone Party Wall System

Type and/or use of product:

Party wall systems for low rise multi-residential projects.

Description of product:

Firezone Party Wall System incorporates a Magnesium Oxide Board (MgO) and proprietary components outlined in A2.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2022

	Volume One	Volume Two
Performance Requirement(s):	F7P2 Sound Transmission through walls (can be used in conjunction of other building materials to achieve minimum requirements) F7P4 Sound Insulation rating of walls (can be used in conjunction of other building materials to achieve minimum requirements)	H4P6 Sound Insulation (can be used in conjunction of other building materials to achieve minimum requirements)
Deemed-to-Satisfy Provision(s):	C2D2(2) Fire-resisting construction – FRL 60/60/60	H3D4 Fire Protection of separating walls – FRL 60/60/60
State or territory variation(s):	Part F7 (NT)	H4P6 (NT)

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. Installation of Firezone Party Wall System must be in accordance with [Firezone Party Wall System Installation Guide Version 4.30](#) and no greater than 13.5m in height.
2. The Firezone Party Wall System can be considered to constitute discontinuous construction when installed in accordance with [Firezone Party Wall System Installation Guide Version 4.30](#) and is not otherwise penetrated by any building services.
3. In regards to specific Building Classification compliance, it is the responsibility of the architectural designer and engineering parties to ensure that the FRL requirements are appropriate for the intended application and Building Classification.
4. Compliance with FRL is dependent on the system being constructed in accordance with [Firezone Party Wall System Installation Guide Version 4.30](#) any deviation from the assessed system does not form part of this certificate of conformity.
5. The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

Building classification/s:

Class 1,2,3,4,5,6,7,8,9&10
See Limitation & Condition 3.

Richard Donarski – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 18/09/2023

Date of expiry: 18/02/2027





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Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the Certificate Holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Only criteria as identified within this Certificate of Conformity can be used for CodeMark certification claims. Where other claims are made in a client's Installation Manual, Website or other documents that are outside the criteria on this Certificate of Conformity, such criteria cannot be used or claimed to meet the requirements of this CodeMark certification.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CMI Certification Pty Ltd (CMI) has relied on the experience and expertise of external bodies (laboratories and technical experts).

Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page 1.

A2 Description of product

Firezone Party Wall System incorporates the following:-

- Firezone panel - 22mm thick MgO panel with a nominally 11mm x 30mm shiplap joint.
- Timber or steel framing must be designed by an accredited engineer in accordance with AS 1720.1-2010 or AS/NZS 4600:2018 respectively, with a minimum stud depth of 70 mm.
- Minimum R2.0 glasswool insulation within both framing cavities.
- Firezone panel joints consisting of 8g x 20 mm (maximum 25 mm long), flower head, type 17 point, Stainless Steel (min), fibre cement screws, or 10G x 25 mm long, Hex Head screws at 300mm spacing on shiplap joint.
- H.B. Fuller FIRESOUND fire rated sealant, RLA FirePro FR fire rated sealant or any other fire rated sealant that has been tested or assessed in a wall configuration to achieve an FRL of at least -/120/120 to be used in all joints and seal all gaps.
- Firezone Aluminium angle brackets 90mm x 40mm x 40mm x 1.5mm fixed to the framing and attached to Firezone panels with 8g x 20 mm (maximum 25 mm long), flower head, type 17 point, Stainless Steel (min), fibre cement screws, or 10G x 25 mm long, Hex Head screws.
- Internal linings are to be fixed as per the linings Manufacturers specifications dependent on the requirements of the Firezone Party Wall System as outline in Table 1 on page 9 of the [Firezone Party Wall System Installation Guide Version 4.30](#) and reproduced in this Certificate of Conformity below.

A3 Product specification

The FRLs for the Firezone Party Wall System have been determined in accordance with AS 1530.4:2014 by Warringtonfire and must be constructed as detailed in the [Firezone Party Wall System Installation Guide Version 4.30](#) figures 1 - 44 to achieve the following FRLs. Acoustic Performances outlined in the table below have been determined by Dobbs Doherty Pty Ltd which confirms compliance with BCA Sound Insulation Requirements for Party Walls Class 1, 2, 3 or 9c as Discontinuous construction.

Firezone Party Wall System	FRL	Stud Depth (Timber or Steel)	Cavity (min/max)	R _w / R _w + C _{tr}	Requirements	Insulation	Total Wall Thickness
FZ1079	60/60/60	90mm	20	63dB / 50dB	Fire Wall: 22mm Firezone Panel	R2.0 Fibreglass Batts	262mm
			40	66dB / 52dB	Internal lining: 10mm Plasterboard (7.9kg/m ²)		302mm
FZ1384	60/60/60	90mm	20	64dB / 51dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	268mm
			40	67dB / 54dB	Internal lining: 13mm Plasterboard (8.4kg/m ²)		308mm
FZ0694	60/60/60	90mm	20	66dB / 52dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	254mm
			40	69dB / 55dB	Internal lining: 6mm Fibre Cement (9.4 kg/m ²)		294mm
FZ1398	60/60/60	90mm	20	67dB / 53dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	268mm
			40	69dB / 56dB	Internal lining: 13mm Plasterboard (9.8kg/m ²)		308mm
FZ10104	60/60/60	90mm	20	67dB / 54dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	262mm
			40	70dB / 57dB	Internal lining: 10mm Plasterboard (10.4kg/m ²)		302mm
FZ1313	60/60/60	90mm	20	71dB / 58dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	268mm
			40	74dB / 61dB	Internal lining: 13mm Plasterboard (13.0kg/m ²)		308mm
FZ1398N	60/60/60	70mm	20	63dB / 50dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	228mm
			40	67dB / 53dB	Internal lining: 13mm Plasterboard (9.8kg/m ²)		268mm
FZ10104N	60/60/60	70mm	20	64dB / 50dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	222mm
			40	67dB / 54dB	Internal lining: 10mm Plasterboard (10.4kg/m ²)		262mm
FZ1313N	60/60/60	70mm	20	68dB / 54dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	228mm
			40	71dB / 58dB	Internal lining: 13mm Plasterboard (13.0kg/m ²)		268mm
FZH9479	60/60/60	90mm	20	63dB / 50dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	236mm
			40	66dB / 52dB	Internal wall 1: 6mm Fibre Cement (9.4kg/m ²) Internal wall 2: 10mm Plasterboard (7.9kg/m ²)		276mm
FZH9498N	60/60/60	70mm	20	63dB / 50dB	Fire Wall: Firezone Panel	R2.0 Fibreglass Batts	221mm
			40	67dB / 53dB	Internal wall 1: 6mm Fibre Cement (9.4kg/m ²) Internal wall 2: 13mm Plasterboard (9.8kg/m ²)		261mm

Source: Warrington Fire, Job Number AS200303 dated 02/08/2022, Dobbs Doherty Pty Ltd, Project Number 22302 dated 27/07/2022 and Dobbs Doherty Pty Ltd Report Reference 22302-LTR01-R0 dated 03/08/2022.



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A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact the Certificate Holder for details.

A5 Installation requirements

In all cases, it is a requirement that the Firezone Party Wall System incorporates;

- A timber frame constructed in accordance with AS 1720.1-2010, from minimum MGP10 with minimum 70mm depth; or
- A cold-formed steel frame constructed in accordance with AS/NZS 4600:2018, minimum 70mm depth; or
- Framework compliant with the above minimum requirements and other standards, and the Building Code of Australia as applicable.

Construction shall be in strict accordance with the [Firezone Party Wall System Installation Guide Version 4.30](#), relevant BCA requirements, and any specific requirements of the local building authority. Wall height construction is limited to a maximum height of 13.5m.

A6 Other relevant technical data

Non-combustibility The Certificate Holder has provided the Certificate of Test for Combustibility for Materials in accordance with AS 1530.1:1994 for Firezone panels with a density of 900 kg/ m³.

The material is NOT deemed combustible - Limited to the panel only.

Source: CSIRO; NATA Accreditation No. 165; Report No. FCO-3201 dated 22/07/2016.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Acoustic Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
2. Fire Safety Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. Acronem Consulting Australia Pty Ltd; Report No: ACA 201028; Firezone Party Wall System NCC 2019 (Amdt. 1) BCA Volumes one and Two Appraisal; Dated 30/08/2022. Report provides evidence for compliance with F7P2, F7P4, C2D2(2), H4P6 & H3D4.
2. Dobbs Doherty Pty Ltd; Project Number 22302; Firezone Party Wall System Acoustic Evaluation; Dated 26/07/2022. Report provides evidence for compliance with F7P2, F7P4 & H4P6.
3. Dobbs Doherty Pty Ltd Report Reference 22302-LTR01-R0; Firezone Party Wall System Acoustic Evaluation – Bath Checked in to Party Wall; Dated 03/08/2022. Report provides evidence for compliance with F7P2, F7P4 & H4P6.
4. Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. FAS200303 R2.4; Fire Resistance performance of Firezone Party Wall System; Dated 02/08/2022. Report confirms FRLs of the system for compliance with H3D4.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.