



Certificate of Conformity

Certificate number: CM40322 Rev1

Certification Body:


ABN: 80 111 217 568
JAS-ANZ Accreditation
No. Z4450210AK
PO Box 7144, Sippy
Downs Qld 4556
+61 (07) 5445 2199
www.CertMark.org

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 2019 (Amdt. 1)

Volume One

Volume Two

Performance Requirement(s): FP5.2(a) Sound Transmission through walls (can be used in conjunction of other building materials to achieve minimum requirements)
FP5.5(a) Sound Insulation rating of walls (can be used in conjunction of other building materials to achieve minimum requirements)

P2.4.6 Sound Insulation (can be used in conjunction of other building materials to achieve minimum requirements)

Deemed-to-Satisfy Provision(s): C1.1(b) Fire-resisting construction – FRL 60/60/60

3.7.3.2(a)(i) Fire Protection of separating walls – FRL 60/60/60

State or territory variation(s): Part 5 (NT)

P2.4.6 (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 4.1](#).
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 4.1 and is not otherwise penetrated by any building services.
3. Compliance with FRL is dependent on the system being constructed in accordance with Firezone Party Wall System Installation Guide Version 4.1.
4. 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

Certificate Holder:


Compliant Building
Materials
Australasia Pty Ltd
ABN: 27 633 942 300
59 Metrolink Circuit
Campbellfield VIC 3061
Ph: 1300 47 37 00
W: www.cbma.com.au


Richard Donarski - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 14/12/2021

Date of expiry: 18/02/2024





Certificate of Conformity

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, CertMark International 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 90 mm.
- R2.5 x 90mm Glasswool insulation within both framing cavities.
- Firezone panel joints consisting of 8G x 25mm flower head type 17 fibre cement screws at 300mm spacing to both sides of the shiplap joint.
- Firesound sealant to be used around all joints and edges.
- Firezone Aluminium angle brackets 90mm x 40mm x 40mm x 1.5mm fixed to the framing and attached to Firezone panels with 8G x 25mm flower head type 17 fibre cement screws.
- One layer of plasterboard fixed to timber framing.
- Plasterboard internal wall lining on each exposed face, fixed with 6G x 32mm bugle head needle point screws at 300mm maximum spacing.

Options for Plasterboard internal wall lining on each exposed face:

- 10mm Plasterboard (7.9kg/m²)
- 13mm Plasterboard (8.5kg/m²)
- 13mm Sound Plaster (13.0 kg/m²)

A3 Product specification

Fire Resistance Levels: 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 4.1](#) achieve the following FRLs.

FRL	Requirements	Insulation	R _w + C _{tr}	Acoustic Cert	Wall Thickness
60/60/60	Firezone Panel with 10mm Plasterboard (7.9kg/m ²)	R2.5 Fibreglass Batts	50	20362-F10AQU7.9	262mm (in general)
60/60/60	Firezone Panel with 13mm Plasterboard (8.5kg/m ²)	R2.5 Fibreglass Batts	51	20362-F13STD8.5	268mm (in general)
60/60/60	Firezone Panel with 10mm Plasterboard (13.0kg/m ²)	R2.5 Fibreglass Batts	58	20362-F13SND13.0	268mm (in general)

Source: Warringtonfire Australia Pty Ltd Report No. FAS200303, Revision RIR2.1 dated 15/10/2021.

Certificate of Conformity

Acoustic Performance	Firezone Party Wall System	Air Gap b/w frame and Central Barrier (mm)	Calculated Airborne Sound Insulation Rating		Compliance with BCA Sound Insulation Requirements for Party Walls		
			Rw	Rw + Ctr	Airborne		Impact
					Class 1, 2 or 3	Class 9c	Discontinuous
F10AQU7.9		20	61db	50db	Yes	Yes	Yes
		40	63db	52db	Yes	Yes	Yes
F13STD8.5		20	64db	51db	Yes	Yes	Yes
		40	67db	54db	Yes	Yes	Yes
F13SND13.0		20	71db	58db	Yes	Yes	Yes
		40	74db	61db	Yes	Yes	Yes

Source: Cogent Acoustics – Firezone Wall System Acoustic Evaluation – Project No 20362 Rev 1 – 16 September 2020.

A4 Manufacturer and manufacturing plant(s)

This field is voluntary. Contact 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 dimensions 90mm x 35mm; or
- A cold-formed steel frame constructed in accordance with AS/NZS 4600:2018, minimum 90mm 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 4.1](#), 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 A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
2. Fire Safety Provisions A5.2(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 26/11/2021.
2. Cogent Acoustics Pty Ltd; Report No. 20362; Firezone Wall System Acoustic Evaluation BCA Performance Solution Report; Dated 16/09/2020.
3. Cogent Acoustics Pty Ltd; Reference No. 20362-LTR01-R0; Firezone Wall System Acoustic Evaluation – Steel Framing Systems; Dated 29/10/2020.
4. Cogent Acoustics Pty Ltd; Reference No. 20362-LTR02-R0; Firezone Wall System Acoustic Evaluation – Alternative Stud Framing; Dated 17/02/2021.
5. Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. FAS200303 RIR2.1; Fire Resistance performance of Firezone Party Wall System; Dated 15/10/2021.

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