



Certificate of Conformity

Certification Body:



Global-Mark Pty Ltd,
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2113, Australia
Ph: +61 2 9886 0222
www.global-mark.com.au

Certificate number: CM30125 Rev 3

THIS TO CERTIFY THAT

VITRACORE G2

Type and/or use of product:

VITRACORE G2 panels are used in external cladding applications, in all building types (BCA Volumes 1 & 2)

Description of product:

VITRACORE G2 panels are 4mm thick laminated Aluminium panels installed with metal fixing system. Standard panel sizes include width of 1,250mm & 1,500mm and length of 2,500mm, 3,200mm & 4,000mm. Custom panel sizes up to 1,500mm x 4,000mm. Refer to Product Technical Manual & Installation Guide (refer appendix A3).

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

BCA 2022

Certificate Holder:

FVA Group Pty Ltd
18-20 Donald St
Lithgow NSW 2790
Ph: +61 2 6352 2355
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	Volume One		Volume Two including Housing Provisions	
Performance Requirement(s)	B1P1	Structural Provisions	H1P1	Structural stability and resistance to actions
	B1P2	Structural Provisions		
	F3P1	Damp and Weatherproofing	H2P2	Weatherproofing
Deemed-to-Satisfy Provision(s):	A5G8	Labelling of Aluminium Composite Panels	A5G8	Labelling of Aluminium Composite Panels
	B1D4 (e)	Structural Resistance	HP 2.2.4 (k)	Structural Resistance
	C2D10 (6)(g)	Non-Combustible Material		
	G5D3	Construction in Bushfire Prone Areas	H7D4 (2)(a)	Construction in Bushfire Prone Areas

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.

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.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In placing the **CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 13/10/2023

Date of expiry: 13/10/2026



	G5D4	Construction in Bushfire Prone Areas		
State or territory variation(s):	NT B1D4 (e) QLD B1D4 (e) WA B1D4 (e)	Structural resistance	HP WA 2.2.4 (k)	Structural resistance
	NSW G5D3 NSW G5D4 VIC G5D4 SA G5D5	Construction in Bushfire Prone Areas	NSW H7D4 (2)(a) QLD H7D4 (3) SA H7D4 (3)	Construction in Bushfire Prone Areas

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

Limitations and conditions:	Building classification/s:
<p>Volume 1 – B1P1 & Volume 2 – H1P1</p> <p>Vitracore G2 panel system as described has maximum design wind load limits documented within the Vitracore G2 Technical Manual, version 1.3. Wind load limits, construction detail and fixing must follow the relevant details contained within the Vitracore G2 Technical Manual, version 1.3 and the Vitracore G2 Cassette Fix Installation Guide version 2.1.</p> <p>Supporting structures & connections (including stud frame & sub framing members) must be designed / specified to withstand project loads including but not limited to ULS & SLS wind loads.</p>	1, 2, 3, 4, 5, 6, 7, 8, 9 & 10
<p>Volume 1 – B1P1 (2)(e), (f) & (i) & Volume 2 – H1P1 (2)(e), (f) & (i)</p> <p>Snow, liquid pressure and earth pressure actions are excluded.</p>	1, 2, 3, 4, 5, 6, 7, 8, 9 & 10
<p>Volume 1 – B1P4 & Volume 2 – H1P2</p> <p>Compliance for flood hazard areas is excluded.</p>	1, 2, 3, 4, 5, 6, 7, 8, 9 & 10
<p>Volume 1 – F3P1 & Volume 2 – H2P2</p> <p>A VitraCore G2 external wall must be constructed using either a pliable building membrane or Rigid Air Barrier, subject to the following:</p> <ol style="list-style-type: none"> the Flexible Wall Wrap or Rigid Air Barrier must present an Air & Water barrier for the purposes of weatherproofing, and when a Flexible wall wrap (Water Barrier) is used, the system remains weatherproof up to Serviceability wind loads of -3.0 kPa & +2.0 kPa, and when a Rigid Air Barrier is used for a wall wrap, the system remains weatherproof up to Serviceability wind loads of -3.5 kPa & +3.0 kPa, and design & installation complies fully with VitraCore G2 Technical Manual, version 2.2, and design accommodates deflection movements due to all design loads & temperature variations, and installation Contractor complies with manufacturer's instructions for sealants, shop drawings & project specifications, and fixings are installed in accordance with manufacturer's instructions & procedures, fixings to be weathertight and not restrict thermal or wind movements of the façade, and perforated "Breather" wall wrap membranes must not be used. 	1, 2, 3, 4, 5, 6 & 9

	<p>Volume 1 – C2D10</p> <p>This Certification is based upon the system being installed using components & accessories specified in the “System Components” section of the Vitracore G2 Technical Manual version 1.3 & the Vitrafix Accessories Brochure dated March 2020 (refer Appendix B2). Substitution of such components & / or accessories may be permitted; however the general performance specifications of components & / or accessories must be maintained for this certificate to remain valid.</p>	<p>2, 3, 4, 5, 6, 7, 8 & 9</p>
	<p>Volume 1 – C2D10 (1)</p> <p>In a building required to be of Type A or B construction, construction elements and their components must be non-combustible for all external walls, common walls and non-loadbearing internal walls that are required to be fire-resisting. This includes the requirement for Rigid Air Barriers to be non-combustible, where used.</p>	<p>2, 3, 4, 5, 6, 7, 8 & 9</p>
	<p>Volume 1 – C2D10 (6)</p> <p>Pliable building membranes / “Sarking-type materials” must not exceed 1mm in thickness and must have a Flammability index not greater than 5.</p>	<p>2, 3, 4, 5, 6, 7, 8 & 9</p>
	<p>Volume 1 – G5D3 & Volume 2 – H7D4(2)(a)</p> <p>In designated bushfire prone areas, when the building is constructed in accordance with AS3959: 2018 including Amendments 1 & 2, VitraCore G2 is permitted for use as external wall cladding only in buildings subject to Bushfire Attack Level BAL-Low, BAL-12.5 & BAL-19.</p> <p>In Queensland (per QLD G5D2 & QLD H7D4(3)), areas where the classified vegetation is Group F rainforest (excluding wet sclerophyll forest types), mangrove communities and grasslands under 300mm high, are excluded.</p>	<p>1, 2, 3 & 10a or deck immediately adjacent or connected to building class 1, 2 or 3</p>
	<p>Volume 1 – NSW G5D3 & Volume 2 – NSW H7D4</p> <p>In designated bushfire prone areas, subject to Bushfire Attack Level BAL-Low, BAL-12.5 & BAL-19, determined in accordance with the Planning for Bush Fire Protection, when the building is constructed in accordance with AS3959: 2018 including Amendments 1 & 2, except as modified by Planning for Bush Fire Protection, VitraCore G2 is permitted for use as external wall cladding.</p> <p>The compliance assessment of the certified system is limited to sections 7.5 and 8.3.2 of Planning for Bush Fire Protection.</p> <p>Site specific conditions arising from:</p> <ul style="list-style-type: none"> - the development consent following consultation with the NSW Rural Fire Service under section 4.14 of the Environmental Planning and Assessment Act 1979 if required, or - the development consent with a bushfire safety authority issued under section 100B of the Rural Fires Act 1997 for the purposes of integrated development <p>have not been considered for the compliance assessment.</p>	<p>1, 2, 3, Class 4 part of a building & 10a building or deck immediately adjacent or connected to building of class 1, 2, 3 or Class 4 part of a building</p>

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	<p>Volume 1 – NSW G5D4</p> <p>In designated bushfire prone areas subject to a Bushfire Attack Level (BAL) not exceeding BAL—12.5, determined in accordance with Planning for Bush Fire Protection, when the building is constructed in accordance with:</p> <ol style="list-style-type: none"> 1) For class 9 buildings, Specification 43 except as modified by Planning for Bush Fire Protection, or 2) For class 10a buildings or decks, AS3959: 2018 including Amendments 1 & 2 except as modified by Planning for Bush Fire Protection and S43C13, <p>VitraCore G2 is permitted for use as external wall cladding.</p> <p>The compliance assessment of the certified system is limited to sections 7.5 and 8.3.2 of Planning for Bush Fire Protection.</p> <p>Site specific conditions arising from the development consent with a bushfire safety authority issued under section 100B of the Rural Fires Act 1997 for the purposes of integrated development are site specific and have not been considered for the compliance assessment.</p>	<p>Class 9 building that is a special fire protection purpose; and a Class 10a building or deck immediately adjacent or connected to such building</p>
	<p>General</p> <p>The supporting structures including stud frame & cavity sub framing, plus internal linings shall be designed & specified by a suitably qualified design professional in accordance with manufacturer guidelines. Installation shall be conducted by suitably qualified and trained building professionals. Design, Specification and Installation shall be in accordance with the VitraCore G2 Technical Manual version 1.3 & Vitracore G2 Cassette Fix Installation Guide version 2.1. (refer Appendix B2).</p>	<p>1, 2, 3, 4, 5, 6, 7, 8, 9 & 10</p>



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APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Refer to page 1 of this certificate.

A2 Description of product

Refer to page 1 of this certificate.

A3 Product specification

Refer to items 1 & 2 listed in Appendix B2:

- VITRACORE G2 Technical Manual, version 1.3, 12 August 2021.
- VITRACORE G2 Cassette Fix Installation Guide, version 2.1.

A4 Manufacturer and manufacturing plant(s)

FVA Group Pty Ltd

18-20 Donald Street

Lithgow NSW 2790

Ph: + 61 2 6352 2355

www.fv.com.au

A5 Installation requirements

Refer to items 1 & 2 listed in Appendix B2:

- VITRACORE G2 Technical Manual, version 1.3, 12 August 2021.
- VITRACORE G2 Cassette Fix Installation Guide, version 2.1.

A6 Other relevant technical data

Refer to items 1 & 2 listed in Appendix B2:

- VITRACORE G2 Technical Manual, version 1.3, 12 August 2021.
- VITRACORE G2 Cassette Fix Installation Guide, version 2.1.

And any referenced documents within the technical literature identified in Appendices A3 & A5.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with BCA 2022:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
BCA Volume One B1P1	A2G2 (2) (a) & (c)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
BCA Volume Two H1P1	A2G2 (2) (a) & (c)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
BCA Volume One B1P2	A2G2 (2) (a) & (c)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
BCA Volume One F3P1	A2G2 (2) (a), (b)(i) & (c)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 31, 32, 33 & 34
BCA Volume Two H2P2	A2G2 (2) (a), (b)(i) & (c)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 31, 32, 33 & 34
BCA Volume One A5G8	A2G3 (2) (a)	A5G3 (1) (f) - Other documentary evidence	Item 35
BCA Volume Two A5G8	A2G3 (2) (a)	A5G3 (1) (f) - Other documentary evidence	Item 35
BCA Volume One B1D4 (e)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
BCA Housing Provisions 2.2.4 (k)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
BCA Volume One C2D10 (6)(g)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 5, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 & 30
BCA Volume One G5D3	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17
BCA Volume One G5D4	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17
BCA Volume Two H7D4 (2)(a)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17
BCA Volume One NT B1D4 (e) QLD B1D4 (e) WA B1D4 (e)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
Housing Provisions WA 2.2.4 (k)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test Report & Expert judgement	Items 1, 2, 3, 4, 6, 7 & 8
BCA Volume One NSW G5D3	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17
BCA Volume One NSW G5D4 VIC G5D4	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17
BCA Volume One SA G5D5	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17
BCA Volume Two NSW H7D4 (2)(a) QLD H7D4 (3) SA H7D4 (3)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10, 11 & 17

B2 Reports

The following reports have been used as evidence to determine compliance with BCA 2022:

Ref	Author	Reference	Date / Revision	Description	NATA Registration
1	Fairview Architectural	Vitracore G2 Technical Manual v 1.3	12 Aug 2021	Client published technical manual	-
2	Fairview Architectural	Vitracore G2 Cassette Fix Install Guide	Version 2.1	Client published installation manual	-
3	Fairview Architectural	VitraFix – Accessories Brochure	Mar 2020	Accessories Brochure	-
4	Fairview Architectural	Vitracore G2 Specification	Nov 2018	Client published technical specification	-
5	Fairview Architectural	Vitracore approval Timeline	Oct 2019	Client published approval record	-

6	Building Products Certification	0320B-R1B	24 Jan 2018	Structural Design Report	-
7	Intertek Testing Services	181015007SHF-001-R1	8 Nov 2018	Component Testing Report	CNAS – L11949
8	Health & Safety Laboratories	ES/2018/35	28 Sep 2018	Component Analysis Report	UKAS – 1751
9	UL International NZ Ltd	4788967555 AU	26 Sep 2019	Fire assessment report	-
10	CSIRO	FNC11476B	4 Nov 2015	Fire test report	165
11	CSIRO	FNC12446	18 Sep 2019	Fire test report	165
12	CSIRO	FNE11459C	19 Oct 2015	Fire test report	165
13	CSIRO	FNE12445	19 Sep 2019	Fire test report	165
14	CSIRO	FCO3166 Rev D	7 May 2019	Fire assessment report	165
15	IGNIS Solutions	IGNS-6081	5 May 2019	Fire compliance report	-
16	RED Fire Consultants	JV19-00103-1.0	3 Jun 2019	Fire compliance report	-
17	IGNIS Solutions	IGNS-5200.02_Rev0	5 May 2019	Fire compliance report	-
18	WarringtonFire UK	418244	4 Sep 2019	Fire classification report	UKAS – 0249
19	WarringtonFire UK	418243	4 Sep 2019	Fire classification report	UKAS – 0249
20	WarringtonFire UK	417795	4 Sep 2019	Fire test report	UKAS – 0249
21	WarringtonFire UK	417796	4 Sep 2019	Fire test report	UKAS – 0249
22	WarringtonFire UK	417798	4 Sep 2019	Fire test report	UKAS – 0249
23	WarringtonFire UK	417747	4 Sep 2019	Fire test report	UKAS – 0249
24	WarringtonFire UK	417750	4 Sep 2019	Fire test report	UKAS – 0249
25	WarringtonFire UK	417748	4 Sep 2019	Fire test report	UKAS – 0249
26	WarringtonFire UK	417749	4 Sep 2019	Fire test report	UKAS – 0249
27	WarringtonFire UK	418236	4 Sep 2019	Fire test report	UKAS – 0249
28	AWTA	22-001585	24-05-2022	Fire test report	1356
29	AWTA	22-001591	10-06-2022	Fire test report	1356
30	AWTA	22-001592	27-05-2022	Fire test report	1356
31	BG&E Facades	Fairview Cladding Products – Vitracore G2 (Install Manual V2)	27 Aug 2018	Weathertightness assessment report	-
32	FacadeLab	18-02	20 Apr 2018	Weathertightness test report	IANZ – 1091
33	VIPAC	30B-19-0059-TRP-6774694-0	2 Apr 2020	Weathertightness test report	676
34	VIPAC	30B-19-0059-TRP-6774696-0	2 Apr 2020	Weathertightness test report	676
35	Global-Mark	Vitracore G2 Review Findings - Closed	25 Jul 2020	SA TS 5344 Labelling compliance	-

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

End of Certificate.