



# Certificate of Conformity

Certification Body:



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Certificate number: CM30125 Rev 0

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 2019 + A1

Performance Requirement(s)	Volume One including Amendment 1		Volume Two including Amendment 1	
		BP1.1	Structural Provisions	P2.1.1
	BP1.2	Structural Provisions		
	FP1.4	Damp and Weatherproofing	P2.2.2	Weatherproofing
Deemed-to-Satisfy Provision(s):	A5.7	Labelling of Aluminium Composite Panels	A5.7	Labelling of Aluminium Composite Panels
	B1.4 (e)	Structural Resistance	3.0.4 (j)	Structural Resistance
	C1.9 (e)(vii)	Non-Combustible Material		
	G5.2	Construction in Bushfire Prone Areas	3.10.5.0 (c)	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](http://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: 12/10/2020

Date of expiry: 12/10/2023



	<b>State or territory variation(s):</b>	<b>NSW G5.2</b>	Construction in Bushfire Prone Areas	<b>NSW 3.10.5.0 (c)</b>	Construction in Bushfire Prone Areas
				<b>QLD 3.10.5.0</b>	Construction in Bushfire Prone Areas

<b>SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B</b>	
<b>Limitations and conditions:</b>	<b>Building classification/s:</b>
<p><b>Vol 1 – BP1.1 &amp; Vol 2 – P2.1.1</b></p> <p>Vitracore G2 panel system as described has maximum design wind load limits documented within the Vitracore G2 Technical Manual, version 2.2. Wind load limits, construction detail and fixing must follow the relevant details contained within the Vitracore G2 Technical Manual, version 2.2 and the Vitracore G2 Cassette Fix Installation Guide version 2.1.</p>	<b>1, 2, 3, 4, 5, 6, 7, 8, 9 &amp; 10</b>
<p><b>Vol 1 – BP1.1 (b) (v) (vi) and (ix) &amp; Vol 2 – P2.1.1 (b) (v) (vi) and (ix)</b></p> <p>Snow, liquid pressure and earth pressure actions are excluded.</p>	<b>1, 2, 3, 4, 5, 6, 7, 8, 9 &amp; 10</b>
<p><b>Vol 1 – BP1.4 &amp; Vol 2 – P2.1.2</b></p> <p>Compliance for flood hazard areas is excluded.</p>	<b>1, 2, 3, 4, 5, 6, 7, 8, 9 &amp; 10</b>
<p><b>Vol 1 – FP1.4 &amp; Vol 2 – P2.2.2</b></p> <p>A wall membrane / barrier must be installed to provide Weather proof construction, where required. When a Flexible wall membrane (Water Barrier) is used, the system remains weatherproof up to Serviceability wind loads of +2.0 kPa &amp; - 3.0 kPa, and when a Rigid Air Barrier is used, the system remains weatherproof up to Serviceability wind loads of + 3.0 kPa &amp; - 3.5 kPa, when:</p> <ol style="list-style-type: none"> <li>1. Design &amp; installation complies fully with Vitracore G2 Technical Manual version 2.2 &amp; Vitracore G2 Cassette Fix Installation Guide version 2.1, and.</li> <li>2. Design accommodates deflection movements due to all design loads &amp; temperature variations, and</li> <li>3. Installation Contractor complies with manufacturer’s instructions for sealants, shop drawings &amp; project specifications, and</li> <li>4. Fixings are installed in accordance with manufacturer’s instructions &amp; procedures, fixings to be weathertight and not restrict thermal or wind movements of the façade, and</li> </ol> <p>Perforated “Breather” wall wrap membranes must not be used.</p>	<b>1, 2, 3, 4, 5, 6 &amp; 9</b>
<p><b>Vol 1 – C1.9</b></p> <p>This Certification is based upon the system being installed using components &amp; accessories specified in the “System Components” section of the Vitracore G2 Technical Manual version 2.2 &amp; the Vitrafix Accessories Brochure dated March 2020 (refer Appendix B2). Substitution of such components &amp; / or accessories may be permitted; however the general performance specifications of components &amp; / or accessories must be maintained for this certificate to remain valid.</p>	<b>2, 3, 4, 5, 6, 7, 8 &amp; 9</b>

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	<p><b>Volume 1 – C1.9 (d)</b></p> <p>Isolation tapes, sealing tapes, backing rods as detailed in the Vitracore G2 Technical Manual version 2.2 (refer Appendix B2) may be considered gaskets, caulking and sealants as defined in Clause C1.9 (d) of NCC Volume 1.</p>	<p><b>2, 3, 4, 5, 6, 7, 8 &amp; 9</b></p>
	<p><b>Volume 1 – C1.9 (e)</b></p> <p>Flexible membrane “Sarking-type materials” must not exceed 1mm in thickness and must have a Flammability index not greater than 5.</p>	<p><b>2, 3, 4, 5, 6, 7, 8 &amp; 9</b></p>
	<p><b>Vol 1 – G5.2 &amp; Vol 2 – 3.10.5.0 (c)</b></p> <p>Construction in Bushfire Prone Areas, when the building is constructed in accordance with AS3959, and subject to:</p> <ul style="list-style-type: none"> <li>• Vitracore G2 permitted for use as external wall cladding in buildings subject to Bushfire Attack Level BAL-12.5, BAL-19, BAL-29 &amp; BAL-40.</li> <li>• Vitracore G2 permitted for use as external wall cladding in buildings subject to Bushfire Attack Level BAL-FZ, only if the wall achieves FRL 30/30/30 behind the external cladding.</li> </ul>	<p><b>1, 2, 3 &amp; 10</b></p>
	<p><b>Vol 1 – NSW G5.2 &amp; Vol 2 – NSW 3.10.5.0 (c)</b></p> <p>Construction in Bushfire Prone Areas, when the building is constructed in accordance with AS3959, and subject to:</p> <ul style="list-style-type: none"> <li>• Vitracore G2 permitted for use as external wall cladding in buildings subject to Bushfire Attack Level BAL-12.5, BAL-19, BAL-29 &amp; BAL-40.</li> <li>• Vitracore G2 permitted for use as external wall cladding in buildings subject to Bushfire Attack Level BAL-FZ, only if the wall achieves FRL 30/30/30 behind the external cladding.</li> </ul>	<p><b>1, 2, 3 &amp; 10</b></p>
	<p><b>Vol 1 – QLD G5.1 &amp; Vol 2 – QLD 3.10.5.0</b></p> <p>Construction in Bushfire Prone Areas, when the building is constructed in accordance with AS3959, and subject to:</p> <ul style="list-style-type: none"> <li>• Vitracore G2 permitted for use as external wall cladding in buildings subject to Bushfire Attack Level BAL-12.5, BAL-19, BAL-29 &amp; BAL-40.</li> <li>• Vitracore G2 permitted for use as external wall cladding in buildings subject to Bushfire Attack Level BAL-FZ, only if the wall achieves FRL 30/30/30 between the external cladding and the wall structure.</li> </ul> <p>This applies to buildings located in a designated Bushfire Prone area but does not apply when the classified vegetation is Group F rainforest (excluding wet sclerophyll forest types), mangrove communities and grasslands under 300mm high.</p>	<p><b>1, 2, 3 &amp; 10</b></p>
	<p><b>General</b></p> <p>The supporting structures including stud frame &amp; cavity sub framing, plus internal linings shall be designed &amp; specified by a suitably qualified design professional in accordance with manufacturer guidelines and installed by suitably qualified and trained building professionals, in accordance with the VitraCore G2 Technical Manual version 2.2 &amp; Vitracore G2 Cassette Fix Installation Guide version 2.1. (refer Appendix B2).</p>	<p><b>1, 2, 3, 4, 5, 6, 7, 8, 9 &amp; 10</b></p>

## 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 2.2.
- 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](http://www.fv.com.au)

### A5 Installation requirements

Refer to items 1 & 2 listed in Appendix B2:

- VITRACORE G2 Technical Manual, version 2.2.
- 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 2.2.
- 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 2019 inc Amdt 1:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
BCA Volume One BP1.1	Combination of A2.2 (2) (a), (b) & (c)	Combination of A5.2 (1) (d), (e) & (f) – Test Report, Expert judgement & Other documentary evidence	Items 1, 2, 3, 5, 6 & 7
BCA Volume Two P2.1.1	Combination of A2.2 (2) (a), (b) & (c)	Combination of A5.2 (1) (d), (e) & (f) – Test Report, Expert judgement & Other documentary evidence	Items 1, 2, 3, 5, 6 & 7
BCA Volume One BP1.2	Combination of A2.2 (2) (a), (b) & (c)	Combination of A5.2 (1) (d), (e) & (f) – Test Report, Expert judgement & Other documentary evidence	Items 1, 2, 3, 5, 6 & 7
BCA Volume One FP1.4	Combination of A2.2 (2) (a), (b) & (c)	Combination of A5.2 (1) (d) & (e) – Test Report & Expert judgement	Items 27, 28, 29 & 30
BCA Volume Two P2.2.2	Combination of A2.2 (2) (a), (b) & (c)	Combination of A5.2 (1) (d) & (e) – Test Report & Expert judgement	Items 27, 28, 29 & 30
BCA Volume One A5.7	A2.3 (2) (a)	A5.2 (1) (f) - Other documentary evidence	Item 31
BCA Volume Two A5.7	A2.3 (2) (a)	A5.2 (1) (f) - Other documentary evidence	Item 31
BCA Volume One B1.4 (e)	Combination of A2.3 (2) (a) & (b)	Combination of A5.2 (1) (e) & (f) – Expert judgement & Other documentary evidence	Items 1, 2, 3, 5, 6 & 7
BCA Volume Two 3.0.4 (j)	Combination of A2.3 (2) (a) & (b)	Combination of A5.2 (1) (e) & (f) – Expert judgement & Other documentary evidence	Items 1, 2, 3, 5, 6 & 7
BCA Volume One C1.9	Combination of A2.3 (2) (a) & (b)	Combination of A5.2 (1) (d) & (e) – Test Report & Expert judgement	Items 4, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26
BCA Volume One G5.2	Combination of A2.3 (2) (a) & (b)	Combination of A5.2 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10 & 16
BCA Volume Two 3.10.5.0 (c)	Combination of A2.3 (2) (a) & (b)	Combination of A5.2 (1) (d) & (e) – Test report & Expert judgement	Items 9, 10 & 16

### B2 Reports

The following reports have been used as evidence to determine compliance with NCC 2019 inc Amdt 1:

Ref	Author	Reference	Date / Rev	Description	NATA Registration
1	Fairview Architectural	Vitracore G2 Cassette Fix Install Guide	Version 2.1	Client published installation manual	-
2	Fairview Architectural	Vitracore G2 Technical Manual	Version 2.2	Client published technical manual	-
3	Fairview Architectural	Vitracore G2 Specification	Nov 2018	Client published technical specification	-
4	Fairview Architectural	Vitracore approval Timeline	Oct 2019	Client published approval record	-
5	Building Products Certification	0320B-R1B	24 Jan 2018	Structural Design Report	-
6	Intertek Testing Services	181015007SHF-001-R1	8 Nov 2018	Component Testing Report	CNAS – L11949
7	Health & Safety Laboratories	ES/2018/35	28 Sep 2018	Component Analysis Report	UKAS – 1751
8	UL International NZ Ltd	4788967555 AU	26 Sep 2019	Fire assessment report	-
9	CSIRO	FNC11476B	4 Nov 2015	Fire test report	165
10	CSIRO	FNC12446	18 Sep 2019	Fire test report	165
11	CSIRO	FNE11459C	19 Oct 2015	Fire test report	165
12	CSIRO	FNE12445	19 Sep 2019	Fire test report	165
13	CSIRO	FCO3166 Rev D	7 May 2019	Fire assessment report	165

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14	IGNIS Solutions	IGNS-6081	5 May 2019	Fire compliance report	-
15	RED Fire Consultants	JV19-00103-1.0	3 Jun 2019	Fire compliance report	-
16	IGNIS Solutions	IGNS-5200.02_Rev0	5 May 2019	Fire compliance report	-
17	WarringtonFire UK	418244	4 Sep 2019	Fire classification report	UKAS – 0249
18	WarringtonFire UK	418243	4 Sep 2019	Fire classification report	UKAS – 0249
19	WarringtonFire UK	417795	4 Sep 2019	Fire test report	UKAS – 0249
20	WarringtonFire UK	417796	4 Sep 2019	Fire test report	UKAS – 0249
21	WarringtonFire UK	417798	4 Sep 2019	Fire test report	UKAS – 0249
22	WarringtonFire UK	417747	4 Sep 2019	Fire test report	UKAS – 0249
23	WarringtonFire UK	417750	4 Sep 2019	Fire test report	UKAS – 0249
24	WarringtonFire UK	417748	4 Sep 2019	Fire test report	UKAS – 0249
25	WarringtonFire UK	417749	4 Sep 2019	Fire test report	UKAS – 0249
26	WarringtonFire UK	418236	4 Sep 2019	Fire test report	UKAS – 0249
27	BG&E Facades	Fairview Cladding Products – Vitracore G2 (Install Manual Version 2)	27 Aug 2018	Weathertightness assessment report	-
28	FacadeLab	18-02	20 Apr 2018	Weathertightness test report	IANZ – 1091
29	VIPAC	30B-19-0059-TRP-6774694-0	2 Apr 2020	Weathertightness test report	676
30	VIPAC	30B-19-0059-TRP-6774696-0	2 Apr 2020	Weathertightness test report	676
31	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.**