



Certificate of Conformity

Certificate number: CM40170

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

Certificate Holder:


DEFINING ARCHITECTURE SINCE 1983
ABN: 56 111 935 963
18-20 Donald St
(PO Box 277)
Lithgow NSW 2790
Ph: 61 2 6352 2355
W: www.fv.com.au

THIS IS TO CERTIFY THAT

Vitracore G2

Type and/or use of product:

Non-structural exterior and interior decorative cladding panel.

Description of product:

The Vitracore G2 is a Non-Combustible aluminium composite panel. Refer A2 below.

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

BCA 2019

	Volume One	Volume Two
Performance Requirement(s):	Not Applicable	Not Applicable
Deemed-to-Satisfy Provision(s):	C1.9(e)(vii) Non-combustible building elements C1.10(a)(ix) Fire hazard properties - other materials G5.2 Construction in bushfire prone areas – Protection – BAL FZ J1.5(d) Energy Efficiency – Walls – 0.005 m ² .K/W - Contributes to the overall energy efficiency of the building	Not Applicable
State or territory variation(s):	C1.10 [Spec C1.10(7) (NSW)], G5.2 (NSW, QLD)	Not Applicable

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

Limitations and conditions:

- The components and configuration of the wall, inclusive of insulation, wall wraps, cavity barriers, penetrations etc, which make up the overall wall system, are outside the scope of this Certificate of Conformity. It is the responsibility of the building designer to ensure Vitracore G2 is fit for purpose and approved for use with the other proposed components of the building. The final configuration of the wall must be inspected and approved by a Building Certifier as required by the relevant State or Territory Regulatory Authority.
- Assessment of Structural Adequacy, including fixing details and wind load capacities, is outside the scope of this Certificate of Conformity. Project specific engineering advice is required.
- 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:

2,3,4,5,6,7,8 & 9


John Thorpe / CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 10/05/2019

Date of expiry: 10/05/2022





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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.

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. This may result in the product being classified as a non-conforming building product.

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

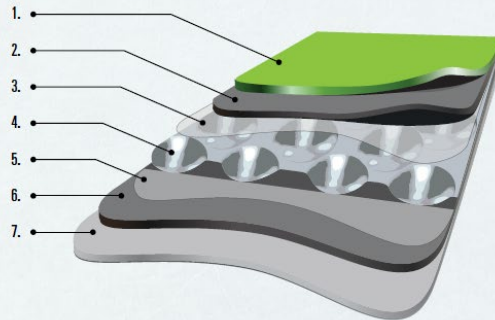
As per page 1.

A2 Description of product

Vitracore G2 is comprised of three layers of aluminium; a face skin, a profiled aluminium core and a rear skin. Between these layers is a film of VE-998 polymer adhesive which is applied as a continuous film during manufacturing, resulting in a continuous thickness of 0.101mm, this means the total thickness of the adhesive layers is approximately 0.2mm.

TYPICAL COMPOSITION

1. PVDF Coloured Coating
2. 0.7mm Aluminium Skin
3. < 0.1mm Adhesive
4. 3mm Profiled Aluminium Core
5. < 0.1mm Adhesive
6. 0.5mm Aluminium Skin
7. Polyester Anti-corrosion Coating



Source: Vitracore-G2-Product-Introduction.

Standard Panel Dimensions

Classification	Value
Panel Weight	4.6kg/m ²
Thickness	4mm
Thickness of Aluminium Face	0.7mm
Width	1250/1500mm
Length	3200/4000mm



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A3 Product specification

When tested in accordance with AS/NZS 1530.3:1999 The product achieves the following results:

Ignitability index	0
Spread of flame Index	0
Heat evolved index	0
Smoke development Index	1

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The Certificate Holder has made available the Vitracore G2 Installation Manual Version 2.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural Provision A5.2(1)(e). Reports from a professional engineer.
2. Fire Safety & Bushfire Provision A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and Report from a Professional Engineer.
3. Thermal Provision A5.2(1)(d). Reports from Accredited Testing Laboratories.

B2 Reports

- a. BRANZ; IANZ Accreditation Number 37; Test Report DI574/DU01; Thermal resistance testing to ASTM C518-10; Dated 14 April 2016.
- b. CSIRO; NATA Accreditation Number 165; Report No. FNC11459B; Certificate of Test report for the Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release; Dated 19/10/2015.
- c. CSIRO; NATA Accreditation No. 165; Certificate Number FNC 11458; Tested in accordance with AS 1530.1:1994, Non-Combustibility Test for Materials - deemed Non-Combustible; Dated 10/08/2015.
- d. Red Fire Engineers; Project No. JV15-00082 Revision 8; Fire Engineering Analysis of Vitracore G2 against the BCA; Dated 13/03/2018.

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