



Global-Mark Pty Ltd,
Suite 4.07
32 Delhi Rd
North Ryde NSW 2113
Australia
Tel: +61 2 9886 0222
www.Global-Mark.com.au

Certificate Holder:
FVA Group PTY LTD
18-20 Donald St
Lithgow NSW 2790
Tel: +61 2 6352 2355
<https://fv.com.au>

Certificate of Conformity

Certificate number: CM30151 Rev 0

THIS IS TO CERTIFY THAT

GENESIS Wall Cladding Panels

Type and/or use of product:

GENESIS wall cladding panels are used in external wall cladding and internal wall lining, in all building types (BCA Volumes 1 & 2).

Description of product:

GENESIS through coloured Compressed Fibre Cement panels are supplied in 8mm thickness (with 12mm option for Raw panels) and installed as a ventilated facade cladding system onto a steel sub-frame with a propriety fixing system allowing for thermal expansion.

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

BCA 2022

	Volume One		Volume Two including Housing Provisions	
Performance Requirement(s)	B1P1	Structural reliability	H1P1	Structural stability and resistance
	B1P2	Structural resistance		
	F3P1	Weatherproofing	H2P2	Weatherproofing
Deemed-to-Satisfy Provision(s):	C2D10 (6)(d)	Non-combustible building elements	H3D2 (1)(d)	Fire hazard properties and non-combustible building elements
	G5D3	Construction in bushfire prone areas – Protection of residential buildings	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: 02/04/2024

Date of expiry: 02/04/2027



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	G5D4	Construction in bushfire prone areas – Protection of certain Class 9 buildings		
State or territory variation(s):	NSW G5D3	Construction in bushfire prone areas – Protection of residential buildings	NSW H7D4 (2)(a)	Construction in bushfire prone areas
	NSW G5D4	Construction in bushfire prone areas – Protection of certain Class 9 buildings		
	VIC G5D4	Construction in bushfire prone areas – Protection of certain Class 9 buildings		
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:
Volume 1 – B1P1 & Volume 2 – H1P1 Volume 1 – B1P2 The GENESIS panel system, as described has maximum design wind load limits documented within the GENESIS Installation Manual, dated June 2023 (refer Appendix B2). Wind load limits, construction detail and fixing must follow the relevant details contained within the GENESIS Installation Manual. 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.				1, 2, 3, 4, 5, 6, 7, 8, 9 & 10
Volume 1 – B1P1 (2) (e), (f) & (i) & Volume 2 – H1P1 (2) (e), (f) & (i) Snow, liquid pressure and earth pressure actions are excluded.				1, 2, 3, 4, 5, 6, 7, 8, 9 & 10
Volume 1 – B1P4 & Volume 2 – H1P2 Compliance for flood hazard areas is excluded.				1, 2, 3, 4, 5, 6, 7, 8, 9 & 10
Volume 1 F3P1 & Volume 2 H2P2 A GENESIS external wall must be constructed using either a pliable building membrane or Rigid Air Barrier, subject to the following: <ol style="list-style-type: none"> 1. the Flexible Wall Wrap or Rigid Air Barrier must present an Air & Water barrier for the purposes of weatherproofing, and 2. the system remains weatherproof up to Serviceability wind loads of +1.65 kPa & -2.5 kPa, and 3. Design & installation complies fully with GENESIS Installation Manual, dated June 2023 (refer Appendix B2), and 4. Design accommodates deflection movements due to all design loads & temperature variations, and 5. Installation Contractor complies with manufacturer’s instructions for sealants, shop drawings & project specifications, and 				1, 2, 3, 4, 5, 6 & 9

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	<p>6. 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</p> <p>7. Perforated “Breather” wall wrap membranes must not be used.</p>	
	<p>Volume 1 – C2D10 & Volume 2 - H3D2</p> <p>Non-combustibility relates to GENESIS wall cladding panels only.</p> <p>This Certification is based upon the system being installed using components & accessories specified in the GENESIS Installation Manual, dated June 2023 (refer Appendix B2).</p> <p>Substitution of wall system 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>1, 2, 3, 4, 5, 6, 7, 8, 9 & 10</p>
	<p>Volume 1 – C2D10</p> <p>Timber battens and timber framing must not be used for compliance with non-combustibility requirements.</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.</p>	<p>2, 3, 4, 5, 6, 7, 8 & 9</p>
	<p>Volume 1 – C2D10 (6)</p> <p>In external wall applications, pliable building membranes / “Sarking-type materials” must not exceed 1mm in thickness and must have a Flammability index not greater than 5. Rigid Air Barriers must be non-combustible and remain compliant with C2D10 (6)(f).</p>	<p>2, 3, 4, 5, 6, 7, 8 & 9</p>
	<p>Volume 1 – G5D3 & Volume 2 – H7D4 (2)(a)</p> <p>In Bushfire prone areas, when the building is constructed in accordance with AS3959:2018 including Amendment 1 & 2, GENESIS cladding panels 8mm thick are permitted for use as external wall cladding in buildings subject to Bushfire Attack Level in all zones up to and including BAL-29.</p> <p>In Bushfire prone areas, when the building is constructed in accordance with AS3959:2018 including Amendment 1 & 2, GENESIS Raw cladding panels 12mm thick are permitted for use as external wall cladding in buildings subject to Bushfire Attack Level in all zones up to and including BAL-40.</p>	<p>1, 2, 3 & 10a or deck immediately adjacent or connected to building Class 1, 2 or 3</p>
	<p>Volume 1 – G5D4</p> <p>In designated bushfire prone areas when the building is constructed in accordance with Specification 43, GENESIS Cladding panels are permitted for use as external wall cladding in buildings subject to Bushfire Attack Level not exceeding BAL-12.5.</p> <p>Construction in BAL-19, BAL-29, BAL-40 and BAL-FZ fall outside the scope of application of the clause.</p>	<p>Class 9a, 9b, 9c and Class 10a buildings or decks immediately adjacent or connected to Class 9a, 9b or 9c buildings</p>
	<p>Volume 1 – NSW G5D3 & Volume 2 – NSW H7D4 (2)(a)</p> <p>In designated bushfire prone areas, subject to Bushfire Attack Level BAL-LOW, BAL-12.5, BAL-19 and BAL-29, determined in accordance with the Planning for Bush Fire Protection 2019 including addendum November 2022, when the building is constructed in accordance with AS3959: 2018</p>	<p>1, 2, 3, Class 4 part of a building & 10a building or deck immediately adjacent or connected to building Class 1, 2, 3 or Class 4 part of a building</p>

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<p>including Amendments 1 & 2, except as modified by Planning for Bush Fire Protection 2019 including addendum November 2022, GENESIS cladding panels are permitted for use.</p> <p>The compliance assessment of the certified system is limited to sections 7.5 and 8.3.2 of the Planning for Bush Fire Protection 2019, including addendum November 2022.</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>Volume 1 – NSW G5D4</p> <p>In designated bushfire prone areas GENESIS Cladding Panels are permitted for use as external wall cladding in buildings subject to a Bushfire Attack Level not exceeding BAL-12.5, determined in accordance with Planning for Bush Fire Protection including addendum November 2022, when the building is constructed in accordance with:</p> <ol style="list-style-type: none"> 1) For class 9 building, Specification 43 except as modified by Planning for Bush Fire Protection, or 2) For class 10a building or deck AS3959: 2018 including Amendment 1 & 2 except as modified by Planning for Bush Fire Protection including addendum November 2022 and S43C13 <p>The compliance assessment of the certified system is limited to sections 7.5 and 8.3.2 of the 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 this compliance assessment.</p> <p>Construction in BAL-19, BAL-29, BAL-40 and BAL-FZ fall outside the scope of application of the clause.</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>Volume 1 – VIC G5D4</p> <p>In designated bushfire prone areas when the building is constructed in accordance with Specification 43, GENESIS Cladding panels are permitted for use as external wall cladding in buildings subject to Bushfire Attack Level not exceeding BAL-12.5.</p> <p>Construction in BAL-19, BAL-29, BAL-40 and BAL-FZ fall outside the scope of application of the clause.</p>	<p>Class 4 part of a building, 9a, 9b, 9c and Class 10a buildings or decks immediately adjacent or connected to Class 4 part of a building, 9a, 9b or 9c buildings</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 and installed by suitably qualified and trained building professionals, in accordance with manufacturer guidelines and the GENESIS Installation Manual, dated June 2023 (refer Appendix B2).</p>	<p>1, 2, 3, 4, 5, 6, 7, 8, 9 & 10</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.

The GENESIS Cladding Panels are Compressed Fibre Cement sheeting panels manufactured in accordance with EN 12467 and AS/NZS 2908.2:2000. GENESIS fibre cement cladding panels may be face fixed to metal support frames using proprietary colour matched fixings or fixed by concealed fixing to a suitable framing system.

GENESIS Product Technical information is provided in the following Product Technical Data Sheets:

- GENESIS Classic TDS, Sept 2023
- GENESIS Depth TDS, June 2021
- GENESIS Groove TDS, Sept 2023
- GENESIS Hewn TDS, Sept 2023
- GENESIS Infuse TDS, Sept 2023
- GENESIS Raw TDS, Sept 2023
- GENESIS Raw 12mm TDS, Sept 2023
- GENESIS Rustik TDS, Sept 2023

A3 Product specification

Refer to the technical literature identified in Appendix A5 of this certificate.

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 the following GENESIS product technical literature:

- GENESIS Installation Manual, dated June 2023
- GENESIS Edge Sealer data sheet, dated 12 September 2023
- GENESIS Facade EPDM Gasket Tape technical data sheet, dated 12 September 2023
- GENESIS Product Technical Data Sheets, listed in Appendix A2

A6 Other relevant technical data

Any referenced documents within the technical literature identified in Appendices A2, A5 & B2.

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 1 B1P1	A2G2 (2) (a) & (c)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 & 23
BCA Volume 1 B1P2	A2G2 (2) (a) & (c)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 & 23
BCA Volume 2 H1P1	A2G2 (2) (a) & (c)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 & 23
BCA Volume 1 F3P1	A2G2 (2) (a), (b)(i) & (c)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 13, 14 & 23
BCA Volume 2 H2P2	A2G2 (2) (a), (b)(i) & (c)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 13, 14 & 23
BCA Volume 1 C2D10 (6)(d)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14 & 21
BCA Volume 2 H3D2 (1)(d)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14 & 21
BCA Volume 1 G5D3	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22
BCA Volume 2 H7D4 (2)(a)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22
BCA Volume 1 G5D4	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22
BCA Volume 1 NSW G5D3	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22
BCA Volume 2 NSW H7D4 (2)(a)	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22
BCA Volume 1 NSW G5D4	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22
BCA Volume 1 VIC G5D4	A2G3 (2) (a) & (b)	A5G3 (1) (d) & (e) – Test reports & Engineering Reports	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 21 & 22

B2 Reports

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

Ref	Author	Reference	Date	Description	NATA Registration
1.	Fairview Architectural	GENESIS Installation Manual	Jun 2023	Product installation manual	–
2.	Fairview Architectural	GENESIS Compliance Statement	Aug 2023	Product compliance statement	–
3.	Fairview Architectural	GENESIS Classic TDS	Sep 2023	Product technical data sheet	–
4.	Fairview Architectural	GENESIS Depth TDS	Jun 2021	Product technical data sheet	–
5.	Fairview Architectural	GENESIS Groove TDS	Sep 2023	Product technical data sheet	–
6.	Fairview Architectural	GENESIS Hewn TDS	Sep 2023	Product technical data sheet	–
7.	Fairview Architectural	GENESIS Infuse TDS	Sep 2023	Product technical data sheet	–
8.	Fairview Architectural	GENESIS Raw TDS	Sep 2023	Product technical data sheet	–
9.	Fairview Architectural	GENESIS Raw 12mm TDS	Sep 2023	Product technical data sheet	–
10.	Fairview Architectural	GENESIS Rustik TDS	Sep 2023	Product technical data sheet	–
11.	Fairview Architectural	GENESIS Edge Sealant TDS	Sep 2023	Product technical data sheet	–
12.	Fairview Architectural	GENESIS Facade EPDM Gasket Tape TDS	Sep 2023	Product technical data sheet	–
13.	Energren	FAR-118 v3	13 Jun 2023	Engineering Compliance Report	–
14.	Energren	FAR-130 v1	21 Sep 2023	Engineering Compliance Report	–
15.	BEMAC Laboratories	11146	14 Nov 2022	Structural Connection Test Report	1393
16.	MPA Hannover	171427 – ETAG 034	3 Jul 2017	Structural Impact Test Report	ILAC / DAKKS D-PL-11220-01-00
17.	MPA Hannover	173381 R1 – ETAG 034	24 Sep 2018	Structural Impact Test Report	ILAC / DAKKS D-PL-11220-01-00
18.	MPA Hannover	173382 – ETAG 034	3 Jul 2017	Structural Impact Test Report	ILAC / DAKKS D-PL-11220-01-00
19.	MPA Hannover	173382 – Statement	13 Sep 2018	Product Classification Statement on Test Report	ILAC / DAKKS D-PL-11220-01-00
20.	MPA Hannover	173385 – ETAG 034	3 Jul 2017	Structural Impact Test Report	ILAC / DAKKS D-PL-11220-01-00
21.	AWTA	21-006068	3 Dec 2021	Fire Test Report	983
22.	IGNIS Labs	IGNL-6204-16-01 I01 R01	3 Nov 2022	Fire Assessment Report	20534
23.	VIPAC Engineers	30B-22-0015-TRP-36480-1	12 Jul 2022	Weather Tightness Test Report	676

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.