Certificate of Conformity

Certification Body:

CMI CERTIFICATION

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Certificate Holder:

ASKIN Performance Panels

Askin Pty Ltd
ABN: 13 156 186 033
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Albert Road, South
Melbourne VIC 3205
Australia
www.askin.net.au

Certificate number: CM40338

THIS IS TO CERTIFY THAT

ASKIN XFLAM External Walls & Facades Panel

Type and/or use of product:

ASKIN XFLAM External Walls & Facades panels are insulated composite panels intended for use in external wall and façade uses.

Description of product:

The XFLAM External Walls and Façades system include the 'XFLAM Panel', 'XFLAM ViviD' and 'XFLAM Panel FRL'.

XFLAM Panel, XFLAM ViviD and XFLAM Panel FRL comprise of syntactic phenolic foam cores adhered between two steel facers made from a minimum thickness of 0.6mm G300 Colorbond. Each panel is adhered between steel and core with a 2-part polyurethane adhesive, refer to A2 for further details.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2)**

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(1),(2),(c)	Structural reliability – Limited to wind actions only	H1P1(1), (2)(c)	Structural reliability – Limited to wind actions only
	F3P1	Weatherproofing – Subject to *limitation and condition 3*.	H2P2	Weatherproofing – Subject to *limitation and condition 3*.
Deemed-to-Satisfy Provision(s):	C2D2(2)	Fire resistance and stability – FRLs achieved contribute to Fire-resisting construction (FRLs are limited to the XFLAM Panel FRL and subject to *limitation and condition 6)*	H3D3	Fire resistance and stability – FRLs achieved contribute to Fire-resisting construction (FRLs are limited to the XFLAM Panel FRL and subject to *limitation and condition 6)*
	C2D11(1)(b)	Fire hazard properties – Refer A3		
	G5D3	Construction in bushfire prone areas BAL 12.5 – BAL FZ limited to the XFLAM Panel FRL and subject to *limitation and condition 7, 8 & 9*.	H6D2(1)(b)(i)	Energy Efficiency – External Walls. Must be used in conjunction with other building elements to achieve a Total R Value.
	J4D6	Energy Efficiency – External Walls. Must be used in conjunction with other building elements to achieve a Total R Value.	H7D4	Construction in bushfire prone areas BAL 12.5 – BAL FZ limited to the XFLAM Panel FRL and subject to *limitation and condition 7, 8 & 9*.
State or territory variation(s):	J4D6 (NSW), G5D3 (NSW)		H6D2 (VIC), H7D4 (NSW, QLD & SA)	

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

Glen Gugliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 30/01/2026

Date of expiry: 30/01/2029

ABCB

JAS-ANZ

Certificate of Conformity

Limitations and conditions:

1. Construction shall be in strict accordance with Product Specification Sheet – External Walls & Facades (XFLAM Panel) Dated 21-01-2026 & ASKIN_Codemark_Exteriors_Panel_2022-09-09; or Product Specification Sheet – External Walls & Facades (XFLAM ViviD) Dated 21-01-2026 & ASKIN_Codemark_Exteriors_ViviD_2022-09-09; or Product Specification Sheet – XFLAM Panel FRL Dated 21-01-2026 & ASKIN_Codemark_FRL Systems_XFLAM Panel FRL_09-12-2022.
2. This product has not been tested to AS 1530.1-1994 (R2016) and cannot be considered a non-combustible product.
3. To satisfy F3P1 and H2P2 via verification, the relevant design is required to meet the criteria of F3V1 and H2V1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
   (i) has a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table F3V1a and H2V1a; and
   (ii) is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
   (iii) includes only windows that comply with AS 2047.
4. The ASKIN XFLAM Panel, XFLAM ViviD and XFLAM Panel FRL Panels must be fixed to a structurally adequate external wall frame in accordance with the appropriate span tables in section A3. Fixing of the panels must comply with the requirements of C2D15 for compliance with C2D10(6)(g)(iv). The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
5. The Group number was determined in accordance with AS 5637.1:2015 as Group 1 based on testing to AS ISO 9705:2003 (R2016). Refer A3 of this Certificate of Conformity.
6. Compliance with FRL is dependent on the system being constructed in accordance with Product Specification Sheet – XFLAM Panel FRL Dated 21-01-2026 & ASKIN_Codemark_FRL Systems_XFLAM Panel FRL_09-12-2022. Any deviation from the tested specimen does not form part of this certificate of conformity.
7. The ASKIN XFLAM Panel FRL External Walls & Facades panel are suitable for use in BAL 12.5 – BAL FZ. Refer A3 for details.
8. Compliance with BAL should be reviewed with the respective BAL requirements of AS 3959 by Building Designers & Authorities having jurisdiction as each building may require specific design or construction requirements outside of the specific wall material.
9. Compliance with BAL-FZ is limited to the requirements of Section 9.1 of AS 3959:2018 and requires a minimum distance of 10m from the edge of any classified vegetation. This product is not suitable to be installed where the 10m setback distance between the building and the edge of the classified vegetation cannot be achieved.
10. In order to comply with the NSW provisions of G5D3, a site specific performance solution prepared in line with the Planning for Bush Fire Protection 2019 guidance document.
11. This certificate is limited to the details within this certificate including the above compliance elements, product description, purpose or use.
12. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.
13. 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

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.

Certificate of Conformity

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, CMI Certification Pty Ltd (CMI) 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

The XFLAM External Wall & Façade system range of panels consist of XFLAM Panel, XFLAM ViviD and XFLAM Panel FRL. The XFLAM Panel, XFLAM ViviD and XFLAM Panel FRL comprise of syntactic phenolic foam cores adhered between two steel facers made from a minimum thickness of 0.6mm G300 Colorbond with a 2-part polyurethane adhesive and come in the following thicknesses:

XFLAM Panel & XFLAM ViviD

Thickness	50, 75, 100, 125, 150, 175, 200, 250mm (+/-1mm)
Length	XFLAM - 2,000mm to 22,000mm (+ special order) (+/-5mm) & XFLAM ViviD - 2,000mm to 13,800mm (+/-5mm)
Width	Standard as 1,200mm (+/-1mm)
Core Density	36 kg/m³ +/- 4 kg/m³

Panel Weights

Thickness	50	75	100	125	150	175	200	250
Weight(kg/m²)	11.6	12.5	13.3	14.2	15.0	15.9	16.7	18.4

XFLAM Panel FRL

Thickness	100, 160, 220, 250, 275mm +/-1mm
Length	2,000mm to 22,500mm (+/-5mm)
Width	Standard as 1,200mm (+/-1mm)
Core Density	min 40kg/m³ for >100mm thick panels | min 50kg/m³ +/- 4 kg/m³

Panel Weights

Thickness	100	160	220	250	275
Weight(kg/m²)	13.3	15.7	17.4	18.4	19.2

A3 Product specification100

Structure

In order to maintain compliance with structure, the Span Tables located in the following Product Specification Sheets must be referred to for which have been certified by a licensed Professional Engineer.

Document Name	Version
Product Specification Sheet – External Walls & Facades (XFLAM Panel) Dated 21-01-2026	January 2026
Product Specification Sheet – External Walls & Facades (XFLAM ViviD) Dated 21-01-2026	January 2026
Product Specification Sheet – XFLAM Panel FRL Dated 21-01-2026	January 2026

Weatherproofing

Vertical & Horizontal panel configuration installed as a Direct Fix System in accordance with Verification Methods FV1 with AS/NZS 4284:2008. Nominated serviceability limit state pressures: +1000 Pa and –1000 Pa. Installation requirements are outlined in Section A5 of this Certificate of Conformity.

Source: *Ian Bennie and Associates; Report Number 2017-094-S1 - NCC-2016 Verification Methods in accordance with AS/NZS 4284:2008; Dated 16/11/2017 & Acronem Consulting Australia Pty Ltd; NCC 2016 Verification Methods FV1 & V2.2.1 vs. NCC 2019(Amdt.1) Verification Methods FV1 & V2.2.1; Dated 19/01/2022.*

Material Group Numbers

The Group Number has been determined in accordance with testing conducted to ISO 9705:2003 (R2016) and AS 5637.1:2015.

Group Number	1
Smoke Growth Rate Index (SMOGRARC)	< 100 m^2/s^2

Source: *Warringtonfire Australia Pty Ltd; Report FAS220049 R1.0 Dated 23/12/2022*

Fire Resistance Levels (FRLs)

XFLAM Panel FRL Wall systems:

Panel Thickness (mm)	Panel Orientation	Perimeter rivets spacing (mm)	Maximum distance between supports (mm)	FRL
100	Vertical	150	3000	-/120/30
160	Vertical	150	3000	-/120/60
220	Vertical	150	3000	-/120/90
275	Vertical	150	3000	-/120/120

Note: All joints to be sealed with either Flamex One fire rated acrylic sealant or Sika® Firerate intumescent sealant. Connection details are provided in Product Specification Sheet – XFLAM Panel FRL Dated 21-01-2026 & ASKIN_Codemark_FRL Systems_XFLAM Panel FRL_09-12-2022

Source*: Warringtonfire Assessment Report No. FAS200511 R2.0 Dated 11/03/2022.*

Bushfire Attack Level (BAL)

Only ASKIN XFLAM FRL Panel must be used for construction in bushfire prone areas. Compliance with Bushfire Attack Level up to BAL FZ has been determined based on the achieved Fire Resistance Level testing to AS 1530.4:2014 of the ASKIN XFLAM FRL panels and requirements of AS 3959:2018.

	Panel Sizes	Bushfire Attack Level
ASKIN XFLAM FRL Panel	100, 160, 220 & 275	Up to BAL—FZ.

Note:

- Installation must be in accordance with Product Specification Sheet – XFLAM Panel FRL Dated 21-01-2026 & ASKIN_Codemark_FRL Systems_XFLAM Panel FRL_09-12-2022.
- All joints in the external surface material of the wall shall be covered, sealed overlapped, backed or butt-jointed to prevent gaps greater than 3mm.
- Vents and weep holes are to be protected as per AS 3959:2018 being screened with a mesh made of corrosion-resistant steel, bronze or aluminium.
- All other elements of installations for the subject material are to be in accordance with the requirements of ASKIN XFLAM installations, AS 3959-2018 and that of the relevant provisions of the National Construction Code.
- Compliance with BAL-FZ is limited to the requirements of Section 9.1 of AS 3959:2018 and requires a minimum distance of 10m from the edge of any classified vegetation. This product is not suitable to be installed where the 10m setback distance between the building and the edge of the classified vegetation cannot be achieved.

Source: *IGNIS Solutions Pty Ltd, Standards Australia; Evaluation No. IGNS-8043 Issue 01 Revision 01, Dated 21/02/2020.*

Thermal

The Declared Material R-values of ASKIN XFLAM foam insulated core panel have been determined in accordance with AS/NZS 4859.1:2018 as:

Declared Material R-Value [(m².K)/W]									
XFLAM Core	**Thickness (mm)**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**250**
Mean Temp(°C)	0°C	1.50	2.20	2.95	3.70	4.45	5.20	5.95	7.40
	15°C	1.40	2.10	2.80	3.50	4.25	4.95	5.65	7.05
	23°C	1.40	2.05	2.75	3.45	4.15	4.85	5.55	6.90

Source: *Acronem Consulting Australia Pty Ltd letter Dated 01/04/2022.*

Thermal

Calculations of Total R-value of ASKIN XFLAM panels for External Wall construction performed in accordance with AS/NZS 4859.1:2018 are provided below. In all cases the construction is assumed to consist of the panel.

Australia	Total R-Value [(m².K)/W] (Summer/Winter) & System U-Value [W/(m².K)] (Summer/Winter)								
XFLAM Core	**Thickness (mm)**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**250**
External Wall	$R_{(Sum.)}$	1.5	2.1	2.8	3.5	4.2	4.	5.5	6.9
	$U_{(Sum.)}$	0.64	0.46	0.35	0.28	0.24	0.20	0.18	0.14
	$R_{(Wint.)}$	1.6	2.3	3.0	3.7	4.4	5.1	5.8	7.2
	$U_{(Wint)}$	0.61	0.43	0.33	0.27	0.23	0.19	0.17	0.14

Source: *Acronem Consulting Australia Pty Ltd letter Dated 01/04/2022.*

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

Installation shall be in strict accordance with the following Technical Drawings manuals and Product Specification Sheets as appropriate.

XFLAM Panel

- ASKIN_Codemark_Exteriors_Panel_2022-09-09
- Product Specification Sheet – External Walls & Facades (XFLAM Panel) Dated 21-01-2026

XFLAM ViviD

- ASKIN_Codemark_Exteriors_ViviD_2022-09-09
- Product Specification Sheet – External Walls & Facades (XFLAM ViviD) Dated 21-01-2026

XFLAM Panel FRL

- ASKIN_Codemark_FRL Systems_XFLAM Panel FRL_09-12-2022
- Product Specification Sheet – XFLAM Panel FRL Dated 21-01-2026

A6 Other relevant technical data

Acoustic Performance

The 75mm ASKIN XFLAM Panels have been tested in accordance with AS 1191-2002 and assessed against AS/NZS ISO 717.1: 2004 by Acoustic Laboratories Australia Pty Ltd and achieve the following acoustic value.

Panel Thickness (mm)	R_W	$R_w + C_{tr}$	$R_W (C, C_{tr})$
Askin XFLAM Panel 75mm	25	23	25 (-2, -2)

Source: *Acoustic Laboratories Australia Pty Ltd; Report No.: ALA 09-080-3, Determination of the Airborne Sound Insulation of 75mm XFLAM PANEL™; Dated 27/03/2009*

Fire Properties

An evaluation has identified that based on the testing of the XFLAM range of panels consistency between the panel thicknesses of 50 mm to 300 mm and in accordance with AS/NZS 1530.3-1999 Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release Indices for the XFLAM range of panels are shown below.

Ignitability Index	0	Range 0-20	**Heat Evolved Index**	0	Range 0-10
Spread of Flame Index	0	Range 0-10	**Smoke Index**	1-2	Range 0-10

Source: *Ignis Labs Report No. IGNL-6259-01-01 I01 R00 Dated 16/12/2022.*

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Energy Efficiency Provisions A5G3(1)(e). Reports from a professional engineer.
2. Fire Safety Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
3. Structural Resistance Provisions A5G3(1)(e) Reports from a professional engineer.
4. Weatherproofing Provision A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. ASKIN Performance Panels Pty Ltd; ASKIN STRUCTURAL ANALYSIS Design Pressures for Cyclone wind loading - September 2022; Dated 27/09/2022. Report supports compliance with B1P1(1),(2)(c) & H1P1(1), (2)(c).
2. ASKIN Performance Panels Pty Ltd; CODEMARK STRUCTURAL ANALYSIS XFLAM Panel – REV2.AUGUST 2022; Dated 16/08/2022. Report provides compliance with B1P1(1),(2)(c) & H1P1(1), (2)(c).
3. ASKIN Performance Panels Pty Ltd; CODEMARK STRUCTURAL ANALYSIS XFLAM ViviD – REV2.AUGUST 2022; Dated 08/08/2022. Report provides compliance with B1P1(1),(2)(c) & H1P1(1), (2)(c).
4. Ian Bennie and Associates Pty Ltd; NATA Accreditation No. 2371, Report Number 2017-094-S1; Dated 16/11/2017. Report relied upon for compliance with F3P1 and H2P2.
5. Acronem Consulting Australia Pty Ltd, NCC 2016 Verification Methods FV1 & V2.2.1 vs. NCC 2019(Amdt.1) Verification Methods FV1 & V2.2.1; Dated 19/01/2022. Report outlines weatherproofing performance of the panel in support of compliance with F3P1 and H2P2 in accordance with A5G3.
6. Acronem Consulting Australia Pty Ltd; Thermal Performance of ASKIN XFLAM Core Panels – Roofing, External Wall & Internal Wall Applications Letter; Dated 01/04/2022. Report outlines the Declared Material R-values and Calculations of Total R-value of the ASKIN XFLAM panels in accordance with J4D6 & H6D2(1)(b)(i).
7. Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. FAS200511 R2.0; Fire assessment report XFLAM insulated panels in accordance with AS 1530.4:2014; Dated 11/03/2022. Report outlines the achieved FRLs of the Askin XFLAM panels for compliance with C2D2(2) & H3D3.
8. Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. ASCR37907000.2; Classification of a wall and ceiling lining in accordance with AS 5637.1:2015; Dated 03/09/2019. Report provides Group Number Classification in accordance with C2D11(1)(b).
9. Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. RTF220052 R1.0; Reaction to fire test report; Dated 21/02/2020. Report outlines results of testing relied upon for compliance with C2D11(1)(b).
10. Warringtonfire Australia Pty Ltd; NATA Accreditation No. 3277; Report No. FAS220049 R1.0; Fire hazard properties of XFLAM panels in accordance with AS 5637.1:2015; Dated 23/12/2022. Report outlines results of testing relied upon for compliance with C2D11(1)(b).
11. Ignis Solutions Pty Ltd; Report No. IGNS-8043 I01 R01; ASKIN XFLAM Bushfire Compliance; Dated 21/02/2020. Report evaluates the compliance with G5D3 and f H7D4 or the ASKIN XFLAM panels.

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