						Certificate r	number: CM402	34 Rev1
Certification Body:			THIS IS TO CERTIFY THA	т				
			EconoClad ®					
ABN: 80 111 217 568 JAS-ANZ Accreditation	Type and/or use of product:		Descriptio	on of product:				
No. Z4450210AK PO Box 7144, Sippy Downs Qld 4556 +61 (07) 5445 2199	Insulated roof or wall panel. EconoClad [®] is an insulated roof or wall panel that features an outer steel face with a high-rib trapezoidal cladding profile and an inner face of lightweight thermal foil that encases a core of F (Polyisocyanurate). Refer A2 for details.							
www.CertMark.org			COMPLIES WITH THE FOLLOWING BCA PROVISIONS	AND STATE OR TE		ARIATION(S)	BCA 2019 (Ar	ndt. 1)
		Volume One		Volume Two				
Certificate Holder: Metecno Pty Ltd	Performance Requirement(s):	BP1.1(a)&(b)(i), (ii) &(iii)	Structural reliability	P2.1.1(a)&(b)(i), (ii)&(iii)	Structural	stability and resistan	nce to actions	
T/A Metecno, Bondor® ABN: 44 096 402 934				P2.2.2	•	roofing - Limited to r & Conditions No. 8	oof applications only - F	efer
121 Ingram Road, Acacia Ridge Qld 4110	Deemed-to-Satisfy Provision(s):	C1.10(a)(ii)&(ix)	Fire Hazard Properties—Refer A3	3.12.1.2	0.	•	be used in conjunction v Total R Value - Refer to	
Ph: +61 7 3323 8555 www.bondor.com.au		F1.5	Weatherproofing - Roof applications only - Refer Limitations & Conditions No. 8	3.12.1.4	0,	•	alls. Can be used in conj ieve a Total R Value - Re	
		J1.3	Energy Efficiency – Roof and ceiling construction. Can be used in conjunction with other building elements to achieve a Total R Value - Refer to A3.	3.12.1.6	0,	n with other building	lass 10a buildings. Can b g elements to achieve a	
		J1.5	Energy Efficiency – Wall construction. Can be used in conjunction with other building elements to achieve a Total R Value - Refer to A3.					
	State or territory variation(s):	Not Applicable		Part 3.12 (NSW, N	IT, SA, Qld, T	as, ACT)		
	SUBJECT TO THE FOLLO	WING LIMITATIO	ONS AND CONDITIONS AND THE PRODUCT TECHNICAL	DATA IN APPEND	IX A AND E	VALUATION STAT	EMENTS IN APPEND	ХВ
Alonan	hi	5	P-C-	Date o	f issue:	23/09/2021	٢	JAS-ANZ
Richard Donarski –	СМІ	Doi	n Grehan – Unrestricted Building Certifier	Date o	f expiry:	25/03/2024	ABCB	WWW.JAS-ANZ.DRO/REDISTER

Certificate number: CM40234 Rev1

This certificate is only valid when reproduced in its entirety. Page 1 of 5



1

Certificate of Conformity

Lim	itations and conditions:	Building classification/s:
1.	For installations involving Class 2 to 9 Buildings, the internal lightweight thermal foil face of the EconoClad® Wall or Roof Panels must, to the satisfaction of the Appropriate Authority, be completely shielded from the effects of flame or heat from the internal of the building by a secondary internal lining product that has a smoke growth rate index not more than 100 or the building must be fitted with a sprinkler system complying with Part E1.5 of the Vol 1 of the NCC.	Class 1,2,3,4,5,6,7,8,9 & 10
2.	The EconoClad [®] wall panels are limited to the use in Type C Construction in Class 2 to 9 buildings when being used as external walls. Note, EconoClad [®] wall panels can be used as internal walls in class 2 to 9 buildings and as internal and external walls in class 1 & 10 buildings.	
3.	This product has not been tested to AS 1530.1-1994 (R2016) and cannot be considered a non-combustible product.	
4.	Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The minimum fixing requirements are outlined in the Span Tables referenced in A3 of this Certificate of Conformity.	
5.	The structural support members are designed and engineered separately as per project requirements by building designers and engineers.	
6.	In the absence of a site-specific performance solution, this product or system must not be used to facilitate the exemptions for a carport specified in Part 3.7.2.6 of Volume 2 of the BCA.	
7.	Any penetrations made into the certified products will void all nominated structural performance. The adequacy of the size, location and spacing of any penetrations through the roof panel must be confirmed by a structural engineer.	
8.	The weatherproofing requirements of P2.2.2 in relation to external walls, including openings around windows and doors, do not form part of this Certificate of Conformity.	
9.	The roof panels will be limited by wind load shown in the manufacturer's specifications on the span certified for the product type, thickness, core density and fixing configuration as per the product's certified span tables.	
10.	It is the responsibility of the building designer to ensure fitness for purpose including, but not limited to, consideration for the corrosion resistance level of the product and the proximity to breaking surf.	
11.	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.	

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.

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, 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

Core	PIR (Polyisocyanurate)	Dimensions			
Width (cover mm)	1000	333mm	292mm	41mm	20mm
Thickness (mm)	25, 40, 60, 80 & 100				
Length	Up to 16m (check for availability)	↑ ⊤ 38mm			
External Material	0.42mm Colorbond [®] steel	<u> </u>	<u></u> <u></u>		Thickness
Internal Material	Lightweight Thermal Foil		1000mm cover	width —	
Pitch	2° Minimum Pitch		Source: Certij	ficate Holder	

A3 Product specification

Structure & In order to maintain compliance with structure, the following Span Tables must be referred to which have been certified by a licensed Professional Engineer in accordance with AS 1562.1,
Weatherproofing AS/NZS 1170.1, AS/NZS 1170.2, AS 4055 & AS 4040.1.

Document Name	Version
ECONOCLAD® SPAN TABLES FOR WIND REGION A NON-CYCLONIC (EXTERNAL ROOF APPLICATIONS ONLY)	4
ECONOCLAD® SPAN TABLES FOR WIND REGION B NON-CYCLONIC (EXTERNAL ROOF APPLICATIONS ONLY)	4
ECONOCLAD® SPAN TABLES FOR WIND REGION C CYCLONIC (EXTERNAL ROOF APPLICATIONS ONLY)	4
ECONOCLAD® SPAN TABLES FOR WIND REGION D CYCLONIC (EXTERNAL ROOF APPLICATIONS ONLY)	4

Penetrations

Any penetrations made into the certified products will void all nominated structural performance. The adequacy of the size, location and spacing of any penetrations through the roof panel must be confirmed by a structural engineer.

Source: Bligh Tanner; Reference No. 2017.0493; Certification of EconoClad Span Tables; Dated 26/03/2021.



Fire Hazard	AS/N7S 1520 2-1999 Indices
	Source: Exova Warringtonfire Report No; 46469800.1z1 dated 29/11/2016.
Numbers	Group 2 – Smoke Growth Rate Index (SMOGRA _{RC}) is 188.6 m ² s ⁻² x 1000.
Material Group	Group Number have been determined in accordance with testing conducted to ISO 9705 and assessment against AS 5637.1:2015.

Fire Hazard	AS/NZS 1530.3-1999 Indices					
Properties	Ignitability Index	0	Range 0-20			
	Spread of Flame Index	0	Range 0-10			
	Heat Evolved Index	0	Range 0-10			
	Smoke Index	1	Range 0-10			

Source: AWTA Product Testing Report No. 18-000627 dated 15/02/2018.

Thermal & Energy	EconoClad [®] PIR core				Roof 1	Fotal R-value (m2K	(/W) at
Efficiency	Thickness (mm)	$\lambda_{ ext{declared}}$ at 23°C (W/m.K)	R _{declared} at 15°C (m ² K/W)	R _{declared} at 23°C(m ² K/W)	6°C	15°C	30°C
	25	0.023	1.20	1.15	1.57	1.50	1.98
	40	0.023	1.95	1.85	2.32	2.22	2.64
	60	0.023	2.90	2.75	3.32	3.17	3.51
	80	0.023	3.80	3.65	4.31	4.12	4.38
	100	0.023	4.75	4.55	5.30	5.06	5.25

EconoClad [®] PIR core	Wall Total R-value (m2K/W) at					
Thickness (mm)	$\lambda_{ ext{declared}}$ at 23°C (W/m.K)	R _{declared} at 15°C (m ² K/W)	R declared at 23°C(m ² K/W)	6°C	15°C	30°C
25	0.023	1.20	1.15	1.64	1.57	1.48
40	0.023	1.95	1.85	2.39	2.29	2.14
60	0.023	2.90	2.75	3.39	3.24	3.01
80	0.023	3.80	3.65	4.38	4.19	3.88
100	0.023	4.75	4.55	5.37	5.13	4.75

Notes:

• Declared R-values are Product R-values and exclude air film resistances.

• Total R-values include default air film resistances for the applications.

• The results are compliant with AS/NZS 4859 Parts 1&2:2018, Thermal insulation materials for buildings, hence they are compliant with NCC2019 Volumes One and Two.

Source: James M Fricker Pty Ltd, Report No. i265e dated 15/12/2020.



A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact Certificate Holder for manufacturing locations.

A5 Installation requirements

Installation requirements are outside the scope of this certificate and subject to project specific engineering advice. The minimum fixing requirements are outlined in the Span Tables referenced in A3 of this Certificate of Conformity.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

- 1. Fire Safety Provisions A5.2(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
- 2. Structural Provisions A5.2(1)(e). Reports from a professional engineer.
- **3.** Thermal Provisions A5.2(1)(e). Reports from a professional engineer.
- 4. Weatherproofing Provision A5.2(1)(e). Reports from a professional engineer.

B2 Reports

- 1. AWTA Product Testing; NATA Accreditation No. 1356; Report No. 18-000627; Testing in accordance with AS/NZS 1530.3-1999; Dated 15/02/2018.
- 2. Bligh Tanner; Reference No. 2017.0493; Certification of EconoClad Span Tables; Dated 26/03/2021.
- 3. Exova Warringtonfire; NATA Accreditation No. 3277; Fire Test in accordance with AS ISO 9705-2003 and AS 5637.1:2015 to determine group number; Dated 24/01/2017.
- 4. Ignis Solutions; Evaluation No. IGNS-6180 I01 R00; Product Evaluation EconoClad Group Number evaluation; Dated 24/05/2018.
- 5. James M Fricker; Report No. i265e; Declared R (thermally bridged) thermal performance calculations to AS/NZS 4859 Parts 1 & 2:2018; Dated 24/09/2020.

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