Certificate of Conformity

Certification Body:

CMI CERTIFICATION
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JAS-ANZ Accreditation No. Z4450210AK
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Australia
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Certificate Holder:

Evissa Pty Ltd
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6/9 Church Street,
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Ph: +61 3 9940 1561
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Certificate number: CM40230 Rev2

THIS IS TO CERTIFY THAT

Evissa SIPs

Type and/or use of product:

Structural Insulated Panel used for roofs, floors and walls.

Description of product:

Structural Insulated Panel (SIP) consisting of SL Class Expanded polystyrene (EPS) between two layers of Orientated Strand Board (OSB).

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

	Volume One	Volume Two	
Performance Requirement(s):	Not Applicable	H1P1(1),(2)(a),(b),(c)&(d) & 3	Structural stability and resistance
Deemed-to-Satisfy Provision(s):	Not Applicable	H6D2(1)(b)(i)	Energy efficiency – Contributes to the Energy efficiency of roofs, walls and floors. Can be used in conjunction with other building elements to achieve a Total R Value - Refer A3.
State or territory variation(s):	Not Applicable	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:

1. Construction methods for external walls required to be fire resisting in relation to Class 1 and 10 buildings and structures must comply with Part 9.2 of the ABCB Housing Provisions.
2. Site Specific damp and waterproofing measures must be adopted to ensure building is constructed to provide resistance to moisture from the outside and moisture rising from the ground.
3. Specific Engineering design – following requirements of "Construct_with_Evissa_SIPS_Manual_Edition_5_May_2023" and "Design_with_Evissa_SIPS_Edition_5_May_2023" is required to be undertaken for each project, in accordance with current NCC and relevant Australian Standards.
4. R values vary with installation configurations, refer A3 and manufacturer's specifications.
5. Concentrated Loads - Axial loads shall be applied to additional framing members that shall be designed by a qualified engineer in accordance with NCC and relevant Australian Standards.

Building classification/s:

Class 1 & 10

Richard Donarski – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 13/12/2023

Date of expiry: 04/08/2024

6. Eccentric and Side Loads - In the supplied assessment, an eccentricity of 1/6 of the panel thickness is assumed. Supported members shall have full bearing on the supporting SIP wall panels. Loads shall not be applied eccentrically or through framing attached to one side of the panel (such as face mounting) except where additional engineering documentation is provided. Wind loads applied to the external wall have been converted from transverse loads into eccentricity of the axial loads.
7. Openings - Openings in panels are not part of this Certification. Additional lintels and supporting studs shall be designed by a qualified engineer in accordance with NCC and relevant Australian Standards.
8. Wind loads calculated in accordance with AS 1170.2:2021 and AS 4055-2021 for non-cyclonic areas.
9. SIPs, like all timber products, will creep under the action of long term loads. It is recommended that long term deflections should be estimated using a factor of 3 times the initial deflections for SIPS Panels. Timber joining spline deflections should use a factor of 2 for long term creep effect.
10. No assessment has been undertaken on the product for H4P7 Condensation and water vapour management of Volume 2 of the 2022 BCA. A pliable building membrane complying with AS/NZS 4200.1:2017 must be installed in accordance with AS/NZS 4200.2:2017 to separate the wall cladding panels from any water sensitive materials.
11. 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.
12. 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, 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

Evissa SIPs are used for walls, roofs and floors in single and multi-storey timber framed residential buildings. See A3.

A2 Description of product

Evissa SIPs consist of SL Class, flame retardant EPS which is layered between two sheets of OSB. Evissa SIPs are available in the following dimensions:

PANEL WIDTH	**PANEL LENGHTS**	
1220mm	2440mm / 3060mm / 3660mm / 4880mm / 6100mm	
SIP THICKNESS	**WEIGHT EPS**	**CORE THICKNESS**
115mm	15.2kg/m^2	93mm
165mm	16.2kg/m^2	143mm
215mm	17.2kg/m^2	193mm
265mm	18.2kg/m^2	243mm
315mm	19.2kg/m^2	293mm

A3 Product specification

Structure - The Evissa SIPS Panels have been assessed under loads and load combinations, as nominated below:

- Floor framing and flooring: Evissa SIPS Panel with MGP10 timber spines
- Floor framing and flooring: Evissa SIPS Panel with LVL timber spines
- Roof framing and cladding: Evissa SIPS Panel with MGP10 timber spines
- Roof framing and cladding: Evissa SIPS Panel with LVL timber spines
- Internal and External wall framing and cladding: Evissa SIPS Panel with MGP10 timber spine
- Wind loads for N1, N2, N3, N4, N5 and N6
- Dead Loads, self weight of structure
- Dead Loads of finish
- Live Loads in accordance with the section C3 of AS/NZS 1170.1-2002
- Wind Loads in accordance with AS/NZS 1170.2-2021 and Table 3.3 of AS 4055-2021 for non-cyclonic areas only
- Earthquake Loads in accordance with Appendix A - Domestic Structures (Housing) of AS1170.4-2007
- Stability Limit State Design has been checked in accordance with the requirements of Load Combinations on AS/NZS 1170.0:2002 Section 4.2.1
- Strength Limit State Design has been checked in accordance with the requirements of Load Combinations on AS/NZS 1170.0:2002 Section 4.2.2
- Serviceability Limit State Design has been checked in accordance with the requirements of Load Combinations on AS/NZS 1170.0:2002 Section 4.3
- Load Combinations have been checked in accordance with the requirements of Load Combinations on AS/NZS 1170.0 Section 4
- AS/NZS 1170.0-2002 Structural design actions Part 0: General principles
- AS/NZS 1170.1-2002 Structural design actions Part 1: Permanent, imposed and other actions
- AS/NZS 1170.2-2021 Structural design actions Part 2: Wind
- AS 1170.4-2007 Structural design action Part 4: Earthquake actions in Australia
- AS 4055-2021 Wind loads for housing
- AS 1720.1-2010 Timber structures Part 1: Design methods
- AS 1684.2-2021 Residential timber-framed construction Part 2: Non-Cyclonic Areas
- AS 1684.4-2010 Residential timber-framed construction Part 4: Simplified Non-Cyclonic Areas

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Floor Framing and flooring - SIP plus single MGP10 Timber Spine - Allowable Uniform Transverse Loads (kN/m²)															
Panel Length (mm)	115mm Thick SIP Deflection Limit			165mm Thick SIP Deflection Limit			215mm Thick SIP Deflection Limit			265mm Thick SIP Deflection Limit			315mm Thick SIP Deflection Limit		
	90x45 MGP10 at 1220 CTS			140x45 MGP10 at 1220 CTS			190x45 MGP10 at 1220 CTS			240x45 MGP10 at 1220 CTS			290x45 MGP10 at 1220 CTS		
	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500
2440	0.6*	-*	-*	1.5	1.2*	0.8*	3.1	2.5	1.7	5.5	4.5	3.2	8.9	7.4	5.2
3050	0.5*	-*	-*	0.8*	0.6*	-*	1.7	1.4*	0.9*	3.1	2.5	1.7	4.9	4.1	2.8
3660	-*	-*	-*	0.5*	-*	-*	1.0*	0.8*	0.5*	1.9	1.6	1.0*	3.1	2.6	1.8
4270	-*	-*	-*	-*	-*	-*	0.6*	0.5*	-*	1.2*	0.9*	0.6*	2.0	1.6	1.1*
4880	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.8*	0.6*	0.3*	1.3*	1.1*	0.7*
5410	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.9*	0.7*	-*
6100	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.6*	0.5*	-*

*Not Suitable for Floor loading

Floor Framing and flooring - SIP plus double MGP10 Timber Spine - Allowable Uniform Transverse Loads (kN/m²)															
Panel Length (mm)	115mm Thick SIP Deflection Limit			165mm Thick SIP Deflection Limit			215mm Thick SIP Deflection Limit			265mm Thick SIP Deflection Limit			315mm Thick SIP Deflection Limit		
	2/90x45 MGP10 at 1220 CTS			2/140x45 MGP10 at 1220 CTS			2/190x45 MGP10 at 1220 CTS			2/240x45 MGP10 at 1220 CTS			2/290x45 MGP10 at 1220 CTS		
	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500
2440	0.8*	0.6*	-*	2.3	1.9	1.3	5.0	4.1	2.9	9.3	7.7	5.5	15.6	13.0	9.3
3050	-*	-*	-*	1.2*	1.0*	0.6*	2.7	2.2	1.5	5.0	4.1	2.9	8.4	6.9	4.9
3660	-*	-*	-*	0.7*	-*	-*	1.6	1.3*	0.9*	3.1	2.5	1.7	5.2	4.3	3.0
4270	-*	-*	-*	-*	-*	-*	1.0*	0.8*	0.5*	1.9	1.5	1.0*	3.2	2.6	1.8
4880	-*	-*	-*	-*	-*	-*	0.6*	0.4*	-*	1.3*	1.0*	0.6*	2.2	1.8	1.2*
5410	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.9*	0.7*	-*	1.6	1.3*	0.8*
6100	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	1.0*	0.8*	-*

*Not Suitable for Floor loading

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Floor Framing and flooring - SIP plus single LVL Timber Spine- Allowable Uniform Transverse Loads (kN/m²)																
Panel Length (mm)	**115mm Thick SIP Deflection Limit**			**165mm Thick SIP Deflection Limit**			**215mm Thick SIP Deflection Limit**			**265mm Thick SIP Deflection Limit**			**315mm Thick SIP Deflection Limit**		
	90x42 SmartLVL15 at 1220 CTS			**140x42 SmartLVL15 at 1220 CTS**			**190x42 SmartLVL15 at 1220 CTS**			**240x42 SmartLVL15 at 1220 CTS**			**290x42 SmartLVL15 at 1220 CTS**		
	L/300	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**
2440	0.6*	0.5*	-*	1.8	1.5	1.0*	3.9	3.2	2.2	7.1	5.9	4.1	11.7	9.7	6.9
3050	-*	-*	-*	1.0*	0.7*	0.4*	2.1	1.7	1.1*	3.9	3.2	2.2	6.4	5.3	3.7
3660	-*	-*	-*	0.5*	-*	-*	1.3*	1.0*	0.6*	2.4	1.9	1.3*	4.0	3.3	2.3
4270	-*	-*	-*	-*	-*	-*	0.7*	0.6*	-*	1.5	1.2*	0.7*	2.5	2.0	1.4
4880	-*	-*	-*	-*	-*	-*	-*	-*	-*	1.0*	0.7*	0.4*	1.7	1.3*	0.9*
5410	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.6*	-*	-*	1.2*	0.9*	0.6*
6100	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.8*	0.6*	-*

***Not Suitable for Floor loading**

Floor Framing and flooring - SIP plus double LVL Timber Spine- Allowable Uniform Transverse Loads (kN/m²)																
Panel Length (mm)	**115mm Thick SIP Deflection Limit**			**165mm Thick SIP Deflection Limit**			**215mm Thick SIP Deflection Limit**			**265mm Thick SIP Deflection Limit**			**315mm Thick SIP Deflection Limit**		
	2/90x42 SmartLVL15 at 1220 CTS			**2/140x42 SmartLVL15 at 1220 CTS**			**2/190x42 SmartLVL15 at 1220 CTS**			**2/240x42 SmartLVL15 at 1220 CTS**			**2/290x42 SmartLVL15 at 1220 CTS**		
	L/300	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**	**L/300**	**L/360**	**L/500**
2440	0.9*	0.7*	0.4*	2.9	2.4	1.6	6.6	5.4	3.8	12.5	10.4	7.4	21.3	17.7	12.7
3050	-*	-*	-*	1.5	1.2*	0.8*	3.5	2.8	2.0	6.7	5.5	3.9	11.3	9.4	6.6
3660	-*	-*	-*	0.9*	0.7*	-*	2.1	1.7	1.1*	4.1	3.4	2.3	7.0	5.8	4.1
4270	-*	-*	-*	0.4*	-*	-*	1.2*	1.0*	0.6*	2.5	2.0	1.4	4.3	3.5	2.4
4880	-*	-*	-*	-*	-*	-*	0.8*	0.6*	-*	1.6	1.3*	0.8*	2.9	2.3	1.6
5410	-*	-*	-*	-*	-*	-*	0.5*	-*	-*	1.1*	0.9*	0.5*	2.1	1.7	1.1*
6100	-*	-*	-*	-*	-*	-*	-*	-*	-*	0.7*	0.6*	-*	1.4	1.1*	0.7*

***Not Suitable for Floor loading**

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Roof Framing and Cladding - SIP plus single MGP10 Timber Spine- Allowable Uniform Transverse Loads (kN/m²)															
Panel Length (mm)	115mm Thick SIP Deflection Limit			165mm Thick SIP Deflection Limit			215mm Thick SIP Deflection Limit			265mm Thick SIP Deflection Limit			315mm Thick SIP Deflection Limit		
	90x45 MGP10 at 1220 CTS			140x45 MGP10 at 1220 CTS			190x45 MGP10 at 1220 CTS			240x45 MGP10 at 1220 CTS			290x45 MGP10 at 1220 CTS		
	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500
2440	1.7	1.4	0.9	3.5	2.9	1.9	5.9	4.8	3.3	9.2	7.6	5.3	13.6	11.2	7.9
3050	0.9	0.7	0.4	2.1	1.7	1.1	3.6	2.9	2.0	5.7	4.6	3.2	8.3	6.8	4.7
3660	0.5	0.3	-	1.3	1.0	0.6	2.4	1.9	1.2	3.8	3.1	2.1	5.6	4.5	3.1
4270	-	-	-	0.8	0.6	0.3	1.5	1.2	0.7	2.5	2.0	1.3	3.8	3.0	2.0
4880	-	-	-	0.5	0.3	-	1.0	0.7	0.4	1.7	1.4	0.8	2.7	2.1	1.4
5410	-	-	-	-	-	-	0.6	0.5	-	1.2	0.9	0.5	1.9	1.5	0.9
6100	-	-	-	-	-	-	0.4	-	-	0.8	0.6	0.3	1.4	1.0	0.6

Roof Framing and Cladding - SIP plus double MGP10 Timber Spine- Allowable Uniform Transverse Loads (kN/m²)															
Panel Length (mm)	115mm Thick SIP Deflection Limit			165mm Thick SIP Deflection Limit			215mm Thick SIP Deflection Limit			265mm Thick SIP Deflection Limit			315mm Thick SIP Deflection Limit		
	2/90x45 MGP10 at 1220 CTS			2/140x45 MGP10 at 1220 CTS			2/190x45 MGP10 at 1220 CTS			2/240x45 MGP10 at 1220 CTS			2/290x45 MGP10 at 1220 CTS		
	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500
2440	1.9	1.5	1.0	4.3	3.5	2.4	7.8	6.4	4.5	13.0	10.8	7.6	20.3	16.8	12.0
3050	1.1	0.8	0.5	2.5	2.0	1.3	4.6	3.7	2.5	7.6	6.3	4.4	11.7	9.7	6.8
3660	0.6	0.4	-	1.6	1.2	0.7	2.9	2.4	1.6	5.0	4.0	2.8	7.6	6.3	4.4
4270	-	-	-	0.9	0.7	0.4	1.9	1.5	0.9	3.2	2.6	1.7	5.0	4.1	2.8
4880	-	-	-	0.6	0.4	-	1.2	0.9	0.5	2.2	1.8	1.1	3.5	2.8	1.9
5410	-	-	-	-	-	-	0.8	0.6	-	1.6	1.2	0.7	2.6	2.0	1.3
6100	-	-	-	-	-	-	0.5	-	-	1.1	0.8	0.4	1.8	1.4	0.9

Roof Framing and Cladding - SIP plus single LVL Timber Spine- Allowable Uniform Transverse Loads (kN/m²)															
Panel Length (mm)	115mm Thick SIP Deflection Limit			165mm Thick SIP Deflection Limit			215mm Thick SIP Deflection Limit			265mm Thick SIP Deflection Limit			315mm Thick SIP Deflection Limit		
	90x42 SmartLVL15 at 1220 CTS			140x42 SmartLVL15 at 1220 CTS			190x42 SmartLVL15 at 1220 CTS			240x42 SmartLVL15 at 1220 CTS			290x42 SmartLVL15 at 1220 CTS		
	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500
2440	1.8	1.4	0.9	3.9	3.1	2.1	6.7	5.5	3.8	10.9	9.0	6.3	16.5	13.6	9.7
3050	1.0	0.8	0.4	2.3	1.8	1.2	4.0	3.3	2.2	6.5	5.3	3.7	9.7	8.0	5.6
3660	0.5	0.4	-	1.4	1.1	0.7	2.6	2.1	1.4	4.3	3.5	2.4	6.5	5.3	3.6
4270	-	-	-	0.9	0.6	0.3	1.7	1.3	0.8	2.8	2.3	1.5	4.3	3.5	2.4
4880	-	-	-	0.5	0.3	-	1.1	0.8	0.5	2.0	1.5	1.0	3.0	2.4	1.6
5410	-	-	-	0.3	-	-	0.7	0.5	-	1.4	1.1	0.6	2.2	1.7	1.1
6100	-	-	-	-	-	-	0.4	0.3	-	0.9	0.7	0.3	1.6	1.2	0.7

Roof Framing and Cladding - SIP plus double LVL Timber Spine- Allowable Uniform Transverse Loads (kN/m²)															
Panel Length (mm)	115mm Thick SIP Deflection Limit			165mm Thick SIP Deflection Limit			215mm Thick SIP Deflection Limit			265mm Thick SIP Deflection Limit			315mm Thick SIP Deflection Limit		
	2/90x42 SmartLVL15 at 1220 CTS			2/140x42 SmartLVL15 at 1220 CTS			2/190x42 SmartLVL15 at 1220 CTS			2/240x42 SmartLVL15 at 1220 CTS			2/290x42 SmartLVL15 at 1220 CTS		
	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500	L/300	L/360	L/500
2440	2.1	1.7	1.1	4.9	4.0	2.8	9.4	7.7	5.4	16.3	13.5	9.6	26.1	21.6	15.4
3050	1.1	0.9	0.5	2.8	2.3	1.5	5.4	4.4	3.0	9.3	7.6	5.4	14.7	12.1	8.6
3660	0.6	0.4	-	1.8	1.4	0.9	3.4	2.8	1.9	6.0	4.9	3.4	9.4	7.8	5.4
4270	-	-	-	1.1	0.8	0.4	2.2	1.7	1.1	3.8	3.1	2.1	6.1	5.0	3.4
4880	-	-	-	0.6	0.4	-	1.4	1.1	0.7	2.6	2.1	1.4	4.2	3.4	2.3
5410	-	-	-	0.4	-	-	1.0	0.7	-	1.9	1.5	0.9	3.1	2.5	1.6
6100	-	-	-	-	-	-	0.6	0.4	-	1.3	1.0	0.5	2.2	1.7	1.1

Internal and External Load Bearing Wall when full bearing on top of wall - Allowable Uniform Ultimate Loads (kN/m) for non-cyclonic areas							
115mm Thick SIP + 2/90x45 MGP10 at 1220mm CTS							
Wind Pressure	**Wall height(m)**						
	2.4	**2.55**	**2.7**	**3**	**3.2**	**3.4**	**3.6**
e.min	31.2	29.2	27.4	24.5	23.0	21.6	20.4
0.62	31.2	29.2	27.4	24.5	23.0	21.6	20.4
0.86	31.2	29.2	27.4	24.5	23.0	21.6	20.4
1.35	31.2	29.2	27.4	24.5	-	-	-
2.01	31.2	29.2	27.4	-	-	-	-
2.96	31.2	-	-	-	-	-	-
3.99	-	-	-	-	-	-	-

Internal and External Load Bearing Wall when full bearing on top of wall - Allowable Uniform Ultimate Loads (kN/m) for non-cyclonic areas							
165mm Thick SIP + 2/140x45 MGP10 at 1220mm CTS							
Wind Pressure	**Wall height(m)**						
	2.4	**2.55**	**2.7**	**3**	**3.2**	**3.4**	**3.6**
e.min	41.5	38.4	35.8	31.7	29.6	27.8	26.3
0.62	41.5	38.4	35.8	31.7	29.6	27.8	26.3
0.86	41.5	38.4	35.8	31.7	29.6	27.8	26.3
1.35	41.5	38.4	35.8	31.7	29.6	27.8	26.3
2.01	41.5	38.4	35.8	31.7	29.6	-	-
2.96	41.5	38.4	35.8	-	-	-	-
3.99	41.5	38.4	-	-	-	-	-

Internal and External Load Bearing Wall when full bearing on top of wall - Allowable Uniform Ultimate Loads (kN/m) for non-cyclonic areas							
215mm Thick SIP + 2/190x45 MGP10 at 1220mm CTS							
Wind Pressure	**Wall height(m)**						
	2.4	**2.55**	**2.7**	**3**	**3.2**	**3.4**	**3.6**
e.min	51.2	47.1	43.6	38.2	35.4	33.0	22.7
0.62	51.2	47.1	43.6	38.2	35.4	33.0	22.7
0.86	51.2	47.1	43.6	38.2	35.4	33.0	22.7
1.35	51.2	47.1	43.6	38.2	35.4	33.0	-
2.01	51.2	47.1	43.6	38.2	35.4	-	-
2.96	51.2	47.1	43.6	38.2	-	-	-
3.99	-	-	-	-	-	-	-

Source: MetroEng Consulting Engineers; Evissa SIPS Structural Assessment Report E180320; Dated 21/07/2021 & Metroeng Consulting Engineers; Report E180320; Assessment Report - Appendix A - Loading Capacity and Span Tables; Dated 30/10/2019.

Certificate of Conformity

Thermal Performance: Thermal performance evaluated against AS/NZS 4859.1:2018 & AS/NZS 4859.2:2018.

EVISSA SIPS FLOOR, WALL & ROOF APPLICATIONS	Insul Path		All Surface (bridged)			
	Total R, m²·K/W		Total R, m²·K/W		Total U, W/(m²·K)	
Description	Winter	Summer	Winter	Summer	Winter	Summer
FLOOR - 215MM BARE EVISSA SIPS FLOOR WITH WOODEN FLOOR FINISH (open subfloor) - 19mm timber or particleboard flooring & glue, 215mm EVISSA SIPS FLOOR between joists (ventilated unreflective subfloor)	R5.14	R5.44	R6.17	R6.17	U0.16	U0.16
FLOOR - 265MM BARE EVISSA SIPS FLOOR WITH WOODEN FLOOR FINISH (open subfloor) - 19mm timber or particleboard flooring & glue, 265mm EVISSA SIPS FLOOR between joists (ventilated unreflective subfloor)	R6.34	R6.70	R5.21	R5.21	U0.19	U0.19
FLOOR - 315MM BARE EVISSA SIPS FLOOR WITH WOODEN FLOOR FINISH (open subfloor) - 19mm timber or particleboard flooring & glue, 315mm EVISSA SIPS FLOOR between joists (ventilated unreflective subfloor)	R7.54	R7.97	R6.17	R6.17	U0.16	U0.16
FLOOR - 215MM BARE EVISSA SIPS FLOOR WITH 50MM SCREED FLOOR FINISH (open subfloor) - 50mm screed floor finish, waterproof membrane, 215mm EVISSA SIPS FLOOR between joists (ventilated unreflective subfloor)	R5.16	R5.46	R4.28	R4.28	U0.23	U0.23
FLOOR - 265MM BARE EVISSA SIPS FLOOR WITH 50MM SCREED FLOOR FINISH (open subfloor) - 50mm screed floor finish, waterproof membrane, 265mm EVISSA SIPS FLOOR between joists (ventilated unreflective subfloor)	R6.36	R6.72	R5.23	R5.23	U0.19	U0.19
FLOOR - 315MM BARE EVISSA SIPS FLOOR WITH 50MM SCREED FLOOR FINISH (open subfloor) - 50mm screed floor finish, waterproof membrane, 315mm EVISSA SIPS FLOOR between joists (ventilated unreflective subfloor)	R7.56	R7.99	R6.19	R6.19	U0.16	U0.16
WALL - 115MM SIMPLE EVISSA SIPS WALL WITH CEMENT SHEET CLADDING - 6mm fibre cement cladding, vapour permeable wall wrap (e.g. Intello), 115mm EVISSA SIPS WALL (painted)	R2.74	R2.89	R2.48	R2.48	U0.40	U0.40
WALL - 165MM SIMPLE EVISSA SIPS WALL WITH CEMENT SHEET CLADDING - 6mm fibre cement cladding, vapour permeable wall wrap (e.g. Intello), 165mm EVISSA SIPS WALL (painted)	R3.94	R4.15	R3.53	R3.53	U0.28	U0.28
WALL - 215MM SIMPLE EVISSA SIPS WALL WITH CEMENT SHEET CLADDING - 6mm fibre cement cladding, vapour permeable wall wrap (e.g. Intello), 215mm EVISSA SIPS WALL (painted)	R5.14	R5.41	R4.56	R4.56	U0.22	U0.22
ROOF - 165mm BARE EVISSA SIPS ROOF 45mm BENEATH FLAT METAL ROOF - Metal roofing at 2° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 165mm EVISSA SIPS ROOF (painted)	R3.98	R4.10	R3.56	R3.56	U0.28	U0.28
ROOF - 215mm BARE EVISSA SIPS ROOF 45mm BENEATH FLAT METAL ROOF - Metal roofing at 2° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 215mm EVISSA SIPS ROOF (painted)	R5.18	R5.36	R4.60	R4.60	U0.22	U0.22
ROOF - 265mm BARE EVISSA SIPS ROOF 45mm BENEATH FLAT METAL ROOF - Metal roofing at 2° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 265mm EVISSA SIPS ROOF (painted)	R6.38	R6.62	R5.63	R5.63	U0.18	U0.18
ROOF - 315mm BARE EVISSA SIPS ROOF 45mm BENEATH FLAT METAL ROOF - Metal roofing at 2° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 315mm EVISSA SIPS ROOF (painted)	R7.57	R7.88	R6.67	R6.67	U0.15	U0.15
ROOF - 165mm BARE EVISSA SIPS ROOF 45mm BENEATH 30° PITCH METAL ROOF (CATHEDRAL CEILING) - Metal roofing at 30° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 165mm EVISSA SIPS ROOF (painted)	R3.96	R4.10	R3.54	R3.54	U0.28	U0.28
ROOF - 215mm BARE EVISSA SIPS ROOF 45mm BENEATH 30° PITCH METAL ROOF (CATHEDRAL CEILING) - Metal roofing at 30° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 215mm EVISSA SIPS ROOF (painted)	R5.16	R5.36	R4.58	R4.58	U0.22	U0.22
ROOF - 265mm BARE EVISSA SIPS ROOF 45mm BENEATH 30° PITCH METAL ROOF (CATHEDRAL CEILING) - Metal roofing at 30° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 265mm EVISSA SIPS ROOF (painted)	R6.36	R6.62	R5.61	R5.61	U0.18	U0.18
ROOF - 315mm BARE EVISSA SIPS ROOF 45mm BENEATH 30° PITCH METAL ROOF (CATHEDRAL CEILING) - Metal roofing at 30° pitch, 45mm unreflective unventilated air space, vapour permeable sarking (e.g. Intello), 315mm EVISSA SIPS ROOF (painted)	R7.56	R7.88	R6.65	R6.65	U0.15	U0.15

Note: The above estimates the resulting (overall) Total R for the whole surface from the two parallel heat paths: a) through insulation b) through frames. Overall resulting Total R per AS/NZS 4859.2:2018 Clause 4.3. (Interior and exterior surfaces assumed to be isothermal planes). Insulation R adjusted for its mean temperatures for 18°C indoors and 12°C outdoors winter, or 24°C indoors and 36°C outdoors summer, Australia. Material thermal resistances are from the standard or from the current AIRAH Handbook. Total Conductance (U) calculated by U=1/R. Assumed core insulation is SL Class EPS with k=0.0407 at 23°C. Total R values include indoor and outdoor air films.

Source: James Fricker Pty Ltd; Report i476b; Thermal Performance of tested panels and system variations; Dated 24/05/2021.

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

Evissa SIPS are to be installed in accordance with the "Construct_with_Evissa_SIPS_Manual_Edition_5_May_2023" and "Design_with_Evissa_SIPS_Edition_5_May_2023".

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural Resistance Provisions A5G3(1)(e). Reports from a professional engineer.
2. Energy Efficiency Provisions A5G3(1)(e). Reports from a professional engineer.

B2 Reports

1. MetroEng Consulting Engineers; Evissa SIPS Structural Assessment Report E180320; Dated 21/07/2021. Report provides compliance with H1P1(1),(2)(a),(b),(c)&(d) & 3.
2. Metroeng Consulting Engineers; Report E180320; Assessment Report - Appendix A - Loading Capacity and Span Tables; Dated 30/10/2019. Report provides compliance with H1P1(1),(2)(a),(b),(c)&(d) & 3.
3. James Fricker Pty Ltd; Report i476b; Thermal Performance of tested panels and system variations; Dated 24/05/2021. Report provides R-Values for compliance with H6D2(1)(b)(i).

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