



Certificate of Conformity

Certificate number: CM40281

Certification Body:



ABN: 81 663 250 815
JASANZ Accreditation
No. Z4450210AK
PO Box 273,
Palmwoods Qld 4555
Australia
P: +61 7 5445 2199
www.cmicert.com.au
office@cmicert.com.au

Certificate Holder:



Stoddart Group Pty Ltd
ABN: 82 010 744 751
37 Gravel Pit Road
Darra QLD 4076
Australia
Ph: (07) 3725 5935
www.stoddartgroup.com

THIS IS TO CERTIFY THAT

STAAC Wall 75® House & Low Rise Multi-Residential External Wall

Type and/or use of product:

External façade wall system

Description of product:

STAAC Wall 75® House & Low Rise Multi-Residential External Wall comprises a steel reinforced 75mm Autoclaved Aerated Concrete (AAC) 400kg/m³ panel and proprietary components vertically installed across horizontal top hats with top hats fixed to steel or timber stud framing.

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), Structural reliability (2)(a), (b), (c) & (d)	H1P1(1), Structural reliability and resistance (2)(a), (b), (c) & (d)
	F3P1 Weatherproofing – Subject to Limitation and Condition 8.	H2P2 Weatherproofing – Subject to Limitation and Condition 8.
Deemed-to-Satisfy Provision(s):	C2D2(2) Fire resistance and Stability – Subject to <i>Limitation and condition 2</i> . Refer A3 for FRLs achieved.	H3D2 Non-combustible building elements – Limited to the STAAC Wall 75® Panel only
	C2D10 Non-combustible building elements – Limited to the STAAC Wall 75® Panel only	H3D3 Fire separation of external walls – Subject to <i>Limitation and condition 2</i> . Refer A3 for FRLs achieved.
	G5D3 Construction in bushfire prone areas – BAL-FZ subject to <i>Limitation and Condition 13 & 14</i> .	H7D4 Construction in bushfire prone areas – BAL-FZ subject to <i>Limitation and Condition 13 & 14</i> .
	F8D3 Condensation management - Pliable building membrane. Refer <i>Limitation and condition 7</i>	H4D9 Condensation management - Pliable building membrane. Refer <i>Limitation and condition 7</i>
	J4D6 Energy efficiency - Walls – Refer A3	H6D2(1)(b)(i) Energy Efficiency – External walls – Refer A3
State or territory variation(s):	J4D6 (NSW), G5D3 (NSW)	H4D9 (Tas), 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

Limitations and conditions:

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

Glen Gugliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 05/05/2026

Date of expiry: 05/05/2029



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1. For Type A & B construction, the use of the STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls cladding system must be supported by a site-specific Performance Solution where the BCA requires building elements and/or ancillary elements to be non-combustible. Acceptance or otherwise of the site-specific Performance Solution is at the discretion of the appropriate Authority subject to the regulatory framework of the relevant State or Territory.
2. Compliance with FRL is dependent on the system components being as specified in A3. Any deviation from the tested specimen does not form part of this Certificate of Conformity.
3. The installation of the STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls cladding system must not deviate from the contents of the [STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls Design and Installation Guide August 2025](#).
4. The scope of this Certification does not include penetrations through the STAAC Wall 75[®] Panel. Any proposed penetrations must be referred to the Certificate Holder.
5. Construction methods for external walls required to be fire resisting in relation to Class 1 and 10 buildings and structures must comply with Part 9.2.3 of the ABCB Housing Provisions.
6. STAAC Wall 75[®] External Wall has not been tested and certified for impact loading from windborne debris in Region C and D as denoted in AS/NZS 1170.2:2011 (R2016). The building designer should take into consideration internal pressure resulting from dominant openings.
7. Compliance with Condensation Management Provisions requires the installation of pliable building membrane that complies with AS/NZS 4200.1:2017 and that is installed in accordance with AS 4200.2:2017 as detailed in the [STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls Design and Installation Guide August 2025](#) to protect water sensitive framing materials as per the requirements of the BCA. Such membrane must be vapour permeable for installations in climate zones 6, 7 and 8.
8. To satisfy F3P1 & H2P2 via verification, limited to N1 – N3, the relevant design is required to meet the criteria of F3V1 and/or V2.2.1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
 - a. have a risk score of 20 or less, when the sum of all risk factor scores is determined in accordance with Table F3V1a/H2V1a; and
 - b. not be subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
 - c. include only windows that comply with AS 2047.

Compliance with Weatherproofing is limited to the tested specimen detailed in A3, deviations from this specimen, is subject to site specific design and approval by the regulatory authority.
9. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
10. In all installations the minimum clearance between the underside of panel and the adjoining surface level below must comply with the specification in Part 7.5.7 of the ABCB Housing Provisions.
11. The design and installation of the STAAC Wall 75[®] House & Low Rise Multi-Residential External Wall must be in accordance with Batten specification in Section 9.3 of the STAAC Wall 75 design and install manual and the Batten span, spacing, fixing, per AS 4055 Wind Category is specified in Tables 9.1, 9.2, 9.3, 9.4 & 9.5 in the manual. The design must include either:
 - a. Timber stud framing must be designed and constructed in accordance with the AS 1684 series or AS 1720.1.
 - b. Steel stud framing must be designed and constructed in accordance with "Cold-formed steel structures: AS/NZS 4600" or
 - c. "Residential and low-rise steel framing: NASH Standard – Residential and Low-Rise Steel Framing, Part 1 or Part 2".
12. 75mm STAAC WALL[®] panels can be used in coastal areas with additional precautions to ensure salt does not build up on the surface of the wall. For buildings which are ≤1000 metres from a shoreline or large expanse of salt water one of the following is required:
 - a. All horizontal and vertical movement joints must be appropriately caulked; and
 - b. All walls must be sufficiently exposed from above so that rain can perform natural wash-down of the wall; or
 - c. Walls which are protected by soffits above must be washed down twice per year to remove salt and debris build-up particularly at the joints; and
 - d. In all cases, Class 3 screws must be used as a minimum
13. In order to maintain compliance with BAL, it is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959:2018. 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.
14. 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.



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15. In order to comply with the NSW provisions of G5D3, a site-specific performance solution is to be prepared in line with the Planning for Bush Fire Protection 2019 guidance document.
16. Other than the items and information listed in this Certificate of Conformity, the remainder of the information contained in any product's literature is outside the scope of this certification.
17. 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

As per page 1.

A2 Description of product

STAAC Wall 75[®]mm Panel Physical Properties

Thickness:	75mm, tolerance: ±1.5mm
Standard Width:	600mm, tolerance: ±1.5mm
Standard Length:	2400, 2550, 2700, 2800, 2850, 3000, 3300mm, tolerance: ±5mm
Edge Straightness Deviation (max.):	±1.5mm
Reinforcement:	4 x 4mm longitudinal steel bars and 6-8 x 4mm diameter transverse steel bars per panel
Nominal Dry Density:	400 kg/m ³
Average working density:	540 kg/m ³ at 35% moisture content
Average service life density:	440 kg/m ³ at 10% moisture content

System Components

STAAC Wall 75 [®] mm panel	Length (mm)	Mass (kg)
	2400	58
	2550	62
	2700	66
	2800	68
	2850	69
	3000	73
	3300	80
Hebel[®] Steel Battens	Perforated steel hat battens in 24mm and 35mm depth to provide immediate support to STAAC Wall 75 [®] panels.	
Fasteners and Fixings	<ul style="list-style-type: none"> - Internal fixing of top hat to timber stud frame; 12-11 x 35mm hex head type 17 screw. - Fixing of top hat to steel framing; 10-16 x 16mm hex head self drilling screw. - Fixing of STAAC Wall 75[®] panels to wall batten from batten side (fixing from inside of building) 14-10 x 65mm hex head type 17 screw. - Fixing of STAAC Wall 75[®] panels to wall batten from panel side (fixing from outside of building) 14-10 x 90mm hex head type 17 screw. 	
Hebel[®] 24mm & 35mm Batten	Direct Fixing Clip For supporting battens in constrained space.	
Hebel[®] Mortar	Mortar (supplied in 20kg bags) when required is used as a thick bed mortar base to provide a level base for STAAC Wall 75 [®] installation as well as providing acoustic and fire protection at the base of the panels.	
Hebel[®] Adhesive	Hebel [®] Adhesive (supplied in 20kg bags) is used for gluing the STAAC Wall 75 [®] panels together at vertical and horizontal joints.	
Hebel[®] Patch	Minor chips or damage to STAAC Wall 75 [®] panels are to be repaired using Hebel [®] Patch (supplied in 10kg bags).	
Hebel[®] Anti-Corrosion	Protection Paint to coat exposed reinforcement during cutting.	
Backing Rod/Backing Strip	Filling of joints with sealant.	
Wall Wrap	Thermoseal Wall Wrap XP, Enviroseal ProctorWrap RW, Polyair Performa 4.0 XHD.	

A3 Product specification

Structural reliability and resistance

[B1P1(1), (2)(a), (b), (c) & (d), H1P1(1), (2)(a), (b), (c) & (d)]

Batten and Fixing Selection

Table 1 – Number of support battens for panel supported at base

Wind Classification	Ultimate Wind Pressure (kPa)		Stud Spacing (mm)	Number of top hats per panel							
	Away from corners	Within 1200mm of corners		Panel Length (mm)							
				≤ 2400		≤ 2700		≤ 3000		≤ 3300	
				Panel Location		Panel Location		Panel Location		Panel Location	
Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner				
N2	0.67/-0.62	-1.25	600	3	3	3	3	4	4	4	4
N3	1.05/-0.98	-1.95	600	3	4	3	4	4	4*	4	5
N3	1.05/-0.98	-1.95	450	3	3	3	3	4	4	4	4

Note: *One additional top hat is required when CSR direct fix clips are used to support top hats.

Table 2 – Number of screws per panel at each top hat location - panel supported at base

Wind Classification	Ultimate Wind Pressure (kPa)		Stud Spacing (mm)	Number of screws per panel per batten			
	Away from corners	Within 1200mm of corners		Panel location			
				Typical		Corner	
				End	Middle	End	Middle
N2	0.67/-0.62	-1.25	600	2	2	2	2
N3	1.05/-0.98	-1.95	600	2	3	2	3
N3	1.05/-0.98	-1.95	450	2	2	2	3

Note:

1. Negative wind pressure (-); Positive wind pressure (+). Negative pressure is acting away from the panel and positive pressure is acting towards the panel.
2. All battens to be spaced equally, with top and bottom battens positioned at maximum 250mm from the end of the panel.
3. Corner panel location applies to panels within 1200mm of a building corner.
4. For intermediate panel lengths, use the design from the longer panels presented in Table 1.
5. "End" refers to the top and bottom rows of battens. "Middle" refers to rows of batten excluding the top and bottom row. Refer to Figure 17.3.3. in [STAAC Wall 75® Houses and Low Rise Multi Residential 75mm External Walls Design and Installation Guide August 2025](#).

Table 3 – Number of support battens for panel suspended from framing (e.g. multi-storey construction)

Wind Classification	Ultimate Wind Pressure (kPa)		Stud Spacing (mm)	Number of top hats per panel							
	Away from corners	Within 1200mm of corners		Panel Length (mm)							
				≤ 2400		≤ 2700		≤ 3000		≤ 3300	
				Panel Location		Panel Location		Panel Location		Panel Location	
Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner				
N2	0.67/-0.62	-1.25	600	4	4	4	4	4	4	4	4
N3	1.05/-0.98	-1.95	600	4	4	4	4	4	4	4	4*
N3	1.05/-0.98	-1.95	450	4	4	4	4	4	4	4	4

Note: *One additional top hat is required when CSR Direct Fix Clips are used to support top hats.

Structural reliability and resistance (Cont.)

[B1P1(1), (2)(a), (b), (c) & (d), H1P1(1), (2)(a), (b), (c) & (d)]

Table 4 - Number of screws per panel at each wall batten location - panel suspended from framing (e.g. multi-storey construction)

Wind Classification	Ultimate Wind Pressure (kPa)		Stud Spacing (mm)	Number of screws per panel per batten			
	Away from corners	Within 1200mm of corners		Panel location			
				Typical		Corner	
				End	Middle	End	Middle
N2	0.67/-0.62	-1.25	600	2	2	2	2
N3	1.05/-0.98	-1.95	600	2	3	3	4
N3	1.05/-0.98	-1.95	450	2	3	3	4

Table 5 – Number of screws per panel at each wall batten location & batten spacing for panel suspended at gable ends

Wind Classification	Ultimate Wind Pressure (kPa)		Stud Spacing (mm)	Number of screws per panel per top hat		Maximum spacing of top hat (mm)	
	Away from corners	Within 1200mm of corners		Panel location			
				Typical	Corner	Typical	Corner
N2	0.67/-0.62	-1.25	600	2	3	800	750
N3	1.05/-0.98	-1.95	600	3	4	800	600
N3	1.05/-0.98	-1.95	450	3	4	800	650

Table 6 – Number of support battens per panel - drop edge beam fixing

Wind Classification	Ultimate Wind Pressure (kPa)		Stud Spacing (mm)	Maximum top hat spacing							
	Away from corners	Within 1200mm of corners		Panel Length (mm)							
				≤ 2400		≤ 2700		≤ 3000		≤ 3300	
				Panel Location		Panel Location		Panel Location		Panel Location	
				Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner
N2	0.67/-0.62	-1.25	600	900	600	900	600	900	600	900	600
N3	1.05/-0.98	-1.95	600	900	600	900	600	900	450	900	600
N3	1.05/-0.98	-1.95	450	900	450	900	450	900	450	900	450

Note:

1. Maximum overhang of batten to be 150mm.
2. Minimum concrete grade is 25MPa
3. Ramset Ramplug DNP08 to be used to fix the top hats to the concrete drop edge beam. Screw selection and installation of fixings must be in accordance with manufacturer's requirements.
4. Refer to Table 2 for fixing requirement

GENERAL NOTES FOR TABLE 1, 2, 3, 4, 5 & 6:

1. Negative wind pressure (-); Positive wind pressure (+). Negative pressure is acting away from the panel and positive pressure is acting towards the panel.
2. All battens to be spaced equally, with top and bottom battens positioned at maximum 250mm from the end of the panel.
3. Corner panel location applies to panels within 1200mm of a building corners.
4. For intermediate panel lengths, use the design from the longer panels presented in Table 1 and Table 3

Fire resistance Level [C2D2(2), H3D3]

FRL from panel side of the wall	
Wall system without construction joints	Wall system with construction joints
180/180/180	90/90/90

Compliance with FRL 180/180/180 subject to the following conditions:

- The installation of the STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls cladding system must not deviate from the contents of the [STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls Design and Installation Guide August 2025](#).
- The wall may vary to include structural steel framing designed in accordance with AS 4600-2018 or NASH Standard part 2 for ambient temperature and where appropriate, designed to support the weight of the panels
- The wall may vary to include structural timber framing designed in accordance with AS 1720.1- 2010 or AS 1684 part 2, 3 or 4 for ambient temperature and where appropriate, designed to support the weight of the panels
- Wall framing spacing may be up to 600-mm centres
- The STAAC Wall 75[®] panel shall be vertically orientated and fixed to steel tophats or timber battens
- Where the height per level is 3300mm or less, the panels are fixed to framing by steel tophat sections spaced at maximum 1200mm centres over the panel height, and top and bottom top hat at maximum 150mm from the panel ends
- The STAAC Wall 75[®] panel shall be vertically orientated, though may vary in length from 2.4m to 3.3m.
- Panel to batten fixings spacings may decrease not increase
- Batten spacings may decrease not increase
- The wall cavity may include sarking between batten and framing
- The wall cavity may include glasswool, rockwool or any non-combustible insulation
- The wall linings shall be one of the following:
 - 10mm Gyprock plus.
 - Any other standard grade, water grade, acoustic grade, fire grade plasterboard manufactured in accordance with AS 2589 and with a density greater than 5.7kg/m²
 - Fibre cement 6mm or thicker with or without tiles adhered
- Where more than one level is constructed, a horizontal joint is required as per the STAAC Design and Installation guide
- Where a vertical control joint is required must be constructed as per the STAAC Design and Installation guide
- The inclusion of Selseys FireBlock XT sealant as an alternative to the FireSeal sealant
- The gap at the base of the panels when used in conjunction with a concrete slab rebate as shown in the STAAC Design and Installation guide
 - Gaps less than 3mm wide - Hebel thick bed mortar
 - Gaps less than 10mm wide - Selseys Fireblock XT or CSR FireSeal for 10mm depth
 - Gaps less than 20mm wide - Selseys Fireblock XT or CSR FireSeal for 16mm depth
- Where STAAC Wall 75[®] panel are supported by a steel shelf angle fixed to the vertical face of the concrete slab.
 - Selseys Fireblock XT is to be applied to all gaps at the base of the panels and between the steel shelf angle and the vertical face of the concrete slab.
 - The steel shelf angle is required to have a horizontal angle leg length of 75mm (BMT 1.2-mm) with a minimum of 40mm cover to the bottom of the STAAC Wall 75[®]. The steel shelf angle is to be kept a minimum of 15mm clear of the timber bottom plate;
 - The steel shelf angle shall be installed in sections up to 3m long and at the ends or any joins in the angle, a 10mm gap filled with Selseys Fireblock XT is required. The angle is fixed to the slab edge at up to 900mm centres with a metal anchor.
- All soffit and eaves linings are to be designed to maintain the FRL of the external wall system.

Source: CSIRO Ref No. FCO-3003/SP3672 dated 8 March 2023.



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Non-combustibility [H3D2, C2D10]

The certificate holder has provided the Certificate of Test for Combustibility for Materials in accordance with AS 1530.1:1994 for STAAC Wall 75® – Autoclaved Aerated Concrete (AAC) of density 400kgm³. **The material is NOT deemed combustible - Limited to the panel only.**

Source: CSIRO; NATA Accreditation No. 165; Report No. FNC12491 dated 11/11/2019.

Bushfire Construction [G5D3, H7D4]

The STAAC WALL® External Wall System had been tested for FRL performance in accordance to AS1530.4 that satisfied the construction requirements up to BAL - FZ as specified in Australian Standard AS3959. It is the responsibility of the building designer to ensure compliance to AS 3959 is achieved in accordance with clause H7D4(2)(a) of NCC 2022 Volume 2 & Housing Provisions.

Source: CSIRO Ref No. FCO-3003/SP3672 dated 8 March 2023.

Thermal performance [H6D2(1)(b)(i), J4D6]

Thermal performance of 75mm STAAC WALL® external wall system - timber stud frame							Total R-Value m ² .K/W	
Plasterboard	Stud Frame	Batts	Wall wrap	Tophat Cavity	AAC	Summer	Winter	
10mm Plasterboard	70mm Timber Stud Frame	70mm Bradford Soundscreen R2.0 Batts	Thermoseal Wall Wrap XP	24mm	75mm STAAC WALL® Panel	3.03	3.15	
			Enviroseal ProctorWrap RW			2.68	2.79	
			Thermoseal Wall Wrap XP	35mm		3.03	3.15	
			Enviroseal ProctorWrap RW			2.68	2.79	
	90mm Timber Stud Frame	90mm Bradford Polymax Wall Batts R2.5	90mm Bradford Gold Wall Batts R2.0	Thermoseal Wall Wrap XP	24mm	3.07	3.23	
			90mm Bradford Gold Wall Batts R2.5	Enviroseal ProctorWrap RW		3.09	3.24	
			90mm Bradford Polymax Wall Batts R2.5	Enviroseal ProctorWrap RW		3.09	3.24	
			90mm Bradford Gold Wall Batts R2.7	Enviroseal ProctorWrap RW		3.23	3.37	
			90mm Bradford Gold Wall Batts R2.0	Thermoseal Wall Wrap XP		3.07	3.23	
			90mm Bradford Gold Wall Batts R2.5	Enviroseal ProctorWrap RW		3.09	3.24	
			90mm Bradford Polymax Wall Batts R2.5	Enviroseal ProctorWrap RW		3.09	3.24	
			90mm Bradford Gold Wall Batts R2.7	Enviroseal ProctorWrap RW		3.23	3.37	
				35mm				

- Notes:**
1. Refer to NCC for state and territory variations.
 2. The Total R-values provided in this table have been evaluated based on the properties of the specified components. Products with similar or equivalent properties may achieve the same performance. Consult product manufacturer for substitution recommendation and evidence of conformity.
 3. Refer to NCC for alternative means of satisfying the required performance levels.
 4. Refer to manufacturer's product literature for design & installation requirements on wall wrap/ sarking and insulation.
 5. Stated R-values have been provided by J. Fricker in report i107e dated 29/04/2024.
 6. Stated R-values include a 6mm skim render.

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Thermal performance (Cont.)
[H6D2(1)(b)(i), J4D6]

Thermal performance of 75mm STAAC WALL® external wall system - steel stud frame							Total R-Value m ² .K/W	
Plasterboard	Stud Frame	Batts	Wall wrap	Tophat Cavity	AAC	Summer	Winter	
10mm Plasterboard	64mm Steel Stud Frame	70mm Bradford Soundscreen R2.0 Batts	Thermoseal Wall Wrap XP	24mm	75mm STAAC WALL® Panel	3.03	3.15	
			Enviroseal ProctorWrap RW			2.68	2.79	
			Thermoseal Wall Wrap XP	35mm		3.03	3.15	
			Enviroseal ProctorWrap RW			2.68	2.79	
	92mm Steel Stud Frame	90mm Bradford Gold Wall Batts R2.0	90mm Bradford Gold Wall Batts R2.0	Thermoseal Wall Wrap XP	24mm	75mm STAAC WALL® Panel	3.07	3.23
				Enviroseal ProctorWrap RW			3.09	3.24
				90mm Bradford Polymax Wall Batts R2.5	24mm		3.09	3.24
				90mm Bradford Gold Wall Batts R2.7			3.23	3.37
				90mm Bradford Gold Wall Batts R2.0	35mm		3.07	3.23
				90mm Bradford Gold Wall Batts R2.5			3.09	3.24
				90mm Bradford Polymax Wall Batts R2.5	35mm		3.09	3.24
				90mm Bradford Gold Wall Batts R2.7			3.23	3.37

- Notes:**
1. Refer to NCC for state and territory variations.
 2. The Total R-values provided in this table have been evaluated based on the properties of the specified components. Products with similar or equivalent properties may achieve the same performance. Consult product manufacturer for substitution recommendation and evidence of conformity.
 3. Refer to NCC for alternative means of satisfying the required performance levels.
 4. Refer to manufacturer's product literature for design & installation requirements on wall wrap/ sarking and insulation.
 5. Stated R-values have been provided by J. Fricker in report i107e dated 29/04/2024.
 6. Stated R-values include a 6mm skim render.



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A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

The installation of the STAAC Wall 75® Houses and Low Rise Multi Residential 75mm External Walls cladding system must not deviate from the contents of the [STAAC Wall 75® Houses and Low Rise Multi Residential 75mm External Walls Design and Installation Guide August 2025](#).

- The STAAC Wall 75® Houses and Low Rise Multi Residential 75mm External Walls cladding system is only to be installed by a suitably qualified tradesperson or a builder.
- The walls are constructed in accordance with AS 5146.3:2018.
- Stud wall support frame to be designed and certified by others.
- AAC panels must be separated from water sensitive framing materials by a pliable building membrane that complies with AS/NZS 4200.1:2017 and that is installed in accordance with AS 4200.2:2017.
- Such membrane must be vapour permeable for installations in climate zones 6, 7 and 8.
- External coating system to be in accordance with AS 5146.3:2018 and comply with AS/NZS 4548.5:1999(R2013) and must be suitable and compatible with AAC substrate (with priming where required).
- The first (texture) coat and second (finish) coats must be acrylic latex coatings complying with AS/NZS 4548 part 2 and part 4 1999(R2013).
- The coatings must be suitable and compatible with AAC STAAC Wall 75® substrate (with priming where required).
- Coatings to comply with AS/NZS 4548.5:1999(R2013).
- Coating manufacturer to specify minimum coating dry film thickness to comply with AS/NZS 4548.5:1999(R2013).
- The following External coating systems are acceptable for use with STAAC Wall 75® Houses and Low Rise Multi Residential 75mm External Walls cladding system:
 1. Rockcote Armorflex
 2. Dulux AcraTex

A6 Other relevant technical data

Acoustic Properties Panel only with no plasterboard or other lining: $R_w = 34\text{dB}$, $R_{w+Ctr} = 30\text{dB}$.

Source: Acoustic Logic Report 2010861.15/2602A/R2 GW.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Energy Efficiency Provisions A5G3(1)(e). A report issued by a professional engineer.
2. Fire Safety Provisions A5G3(1)(d). A report issued by an Accredited Testing Laboratory.
3. Structural Resistance Provisions A5G3(1)(e). A report issued by a professional engineer.
4. Weatherproofing Provisions A5G3(1)(d)&(f). Reports from Accredited Testing Laboratories and other form of documentary evidence.
5. Condensation Management Provisions A5G3(1)(f). Other form of documentary evidence.

B2 Reports

1. CSIRO; NATA Accreditation No. 165; Ref No. FCO-3003/SP3672; The fire-resistance of CSR Hebel 75mm single reinforcement PowerPanel external wall system in accordance with AS 1530.4-2014; Dated 08/03/2023. Report provides Compliance with C2D2(2) H3D3.
2. CSIRO; NATA Accreditation No. 165; Report No. FNC12491; Test for Combustibility for Materials in accordance with AS 1530.1:1994 for STAAC Wall 75[®] – Autoclaved Aerated Concrete (AAC) of density 400kgm³; Dated 11/11/2019. Certificate confirms that the AAC panel is not deemed combustible in compliance with C2D10 & H3D2.
3. AECOM; Expert opinion on the weathertightness testing by CSIRO (Rep. DTF1021) to FV1 & V2.2.1; Dated 02/04/2020. Report provides professional opinion that Performance Requirements for weatherproofing have been met based on previous testing of Hebel AAC systems (F3P1 and H2P2).
4. CSIRO; NATA Accreditation No. 165; Report No. DTF1021; Water penetration testing to the Verification Methods FV1 & V2.2.1; Dated 27/01/2015. Report has been referenced in AECOM report for compliance with Performance Requirements for weatherproofing (F3P1 and H2P2).
5. The Coatings Consultancy Pty Ltd; Coatings to provide weatherproofing; Dated 29/08/2018. Report provides professional opinion relating to the coatings to provide weatherproofing (F3P1 and H2P2).
6. The Coatings Consultancy Pty Ltd; Assessment of Rockcote Armour Flex coating systems for Hebel High Rise facade walls; Dated 17/04/2019. Report provides professional opinion relating to the coatings to provide weatherproofing (F3P1 and H2P2).
7. Stoddart Group; STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls Design and Installation Guide in support of Condensation Management; Version July2023. Manual provides details the requirements for installation of pliable building membrane that complies with AS/NZS 4200.1:2017 and that is installed in accordance with AS 4200.2:2017 and F8D3 & H4D9
8. James M Fricker; Report i107e; Thermal performance calculations to AS/NZS 4859 Parts 1 & 2:2018; Dated 29/04/2024. Report confirms R-value achieved by the STAAC Wall Systems (J4D6 & H6D2(1)(b)(ii)).
9. PACE Structural Pty Ltd; File No. PS25075; Structural Design Certificate for STAACWall75 Houses and Low Rise Multi Residential 75mm External Walls; Dated 01/10/2025. Report confirms the structural design capacity calculations on the Stoddart STAAC Wall 75[®] Houses and Low Rise Multi Residential 75mm External Walls cladding system (vertically installed) comply with B1P1(1), (2)(a), (b), (c) & (d) and H1P1(1), (2)(a), (b), (c) & (d)

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