Nationwide House Energy Rating Scheme® NatHERS® Certificate No. SKZYDE5Z53

NatHERS climate zone

Generated on 25 Jun 2025 using FirstRate5: 5.5.5a (3.22)

Property

Address Primary, 20 Moore Street,

Caerleon, NSW, 2850

Lot/DP 1215/DP1301185

NCC Class* Class 1a

Floor/all Floors

Type New Home

Plans

Main plan 24173j/23-05-2025 Prepared by **Devine Drafting**

Construction and environmen

Assessed floor area [m2]* Exposure type Conditioned* 131.4 suburban

Total 181 65 Orange AP

30.2 Garage



Unconditioned*

ccredited assessor

Mathew Pallett Name

49.6

Business name Wollongong Energy Efficiency

Email Phone

HERA10332 Accreditation No.

Assessor Accrediting Organisation

Declaration of interest No

NCC Requirements

NCC provisions Volume 2 State/Territory variation

National Construction Code (NCC) requirements

The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.

NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.

The NCC, and associated ABCB Standards and support material, can be accessed at www.abcb.gov.au.

Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

Thermal performance star rating



NATIONWIDE **ENERGY RATING SCHEME**

(R)

155 MJ/m²

Predicted annual energy load for heating and cooling based on standard occupancy assumptions.

> For more information on your dwelling's rating see www.nathers.gov.au

Thermal performance [MJ/m²]

Limits taken from ABCB Standard 2022

Heating Cooling Modelled 149.2 5.8 Load limits N/A N/A

Features determining load limits

Floor type N/A (lowest conditioned area) NCC climate zone 1 or 2 N/A Outdoor living area N/A Outdoor living area ceiling fan N/A

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate

Verification

To verify this certificate, scan the QR code or visit https://w ww.fr5.com.au/QRCodeLand ing?PublicId=SKZYDE5Z53 When using either link, ensure you are visiting www.fr5.com.au.



About the ratings

Thermal performance rating

NatHERS thermal software models the expected heating and cooling energy loads using information about the design, construction, climate and common patterns of household use. The thermal performance rating (shown as a star rating on this Certificate) does not take into account appliances, apart from the airflow impacts from ceiling fans.

Whole of Home performance rating

NatHERS Whole of Home software uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pool/spa pump and onsite renewable energy generation and storage) and models the expected energy value* of the whole home. The Whole of Home performance rating is shown as a score out of 100 on this Certificate.

Heating & Cooling Load Limits

Additional information

In some locations under the NCC NatHERS pathway, separate heating and cooling load limits may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area ceiling fan. Refer to the ABCB NatHERS heating and cooling load limits Standard 2022 for details or contact the relevant local building regulating authority, noting that State and Territory variations may also apply.

Setting options:

Floor type:

CSOG - Concrete Slab on Ground

SF - Suspended Floor (or a mixture of CSOG and SF)

NA - Not Applicable

NCC climate Zone 1 or 2:

Yes

Nο

NA - not applicable

Outdoor living area:

Yes

No

NA - not applicable

Outdoor living area ceiling fan:

Yes

No

NA - not applicable



Predicted onsite renewable energy impact

No Whole of Home performance assessment conducted for this certificate.

Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar

Energy use:

No Whole of Home performance assessment conducted for this certificate.

Greenhouse gas emissions:

No Whole of Home performance assessment conducted for this certificate.

Cost:

No Whole of Home performance assessment conducted for this certificate.

Graph key:

Certificate check	Approval	stage	Construct stage	tion	
The checklist covers important items impacting the dwelling's ratings. It is recommended that the accuracy of the whole certificate is checked. Note: The boxes indicate when and who should check each item. It is not mandatory to complete this checklist.	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
Genuine certificate check			,		
Does this Certificate match the one available at the web address or QR code verification link on the front page?					
Does the NatHERS certificate number on the NatHERS-stamped plans match the number on this Certificate?					
Thermal performance check					
Windows and glazed doors					
Does the window size, opening type and location shown on the NatHERS- stamped plans or as installed match what is shown in 'Window and glazed door schedule' and 'Roof window schedule' tables on this Certificate?					
Does the installed windows meet the substitution tolerances (AFRC* based SHGC* and U-values*) as shown in the 'Window and glazed door type and performance' and 'Roof window type and performance' tables on this Certificate?					
External walls					
Does the external wall bulk insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the External wall type table on this Certificate?					
Does the external wall shade (colour) match what is shown in the 'External wall type' table on this Certificate?					
Floor			<i>h</i>		
Does the floor insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Floor type' table on this certificate?					
Ceiling penetrations*			~		
Does the 'quantity' and 'type' of ceiling penetrations' (e.g. downlights, exhaust fans, etc) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling penetrations' table on this Certificate?					
Ceiling	φ ε				
Does the ceiling insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling type' table on this Certificate?					
Roof	-		4		
Does the external roof shade (colour) on the NatHERS stamped plans or as installed match what is shown in the 'Roof type' table on this Certificate?					
Apartment entrance doors (NCC Class 2 assessments only)					
Does the 'External Door Schedule' show apartment entrance doors? Please note that an "external door" between the modelled dwelling and a shared space, such as an enclosed corridor or foyer, should not be included in the assessment (because it overstates the possible ventilation) and would invalidate the Certificate.					
Exposure*					
Has the appropriate exposure type (terrain) (shown on page 1) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".					
Heating and cooling load limits*					
Do the load limits settings (shown on page 1) match the values in the ABCB Standard 2022: NAtHERS heating and cooling load limits for the appropriate climate zone?					

	Approval	stage	Construction stage	tion	
Certificate check Continued	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
Additional NCC requirements for thermal performance (not included	in the Na	tHERS a	ssessme	nt)	
Thermal bridging					
Does the dwelling meet the NCC requirement for thermal bridging?					
Insulation installation method					
Has the insulation been installed according to the NCC requirements?					
Building sealing					
Does the dwelling meet the NCC requirements for Building Sealing?					
Whole of Home performance check (not applicable if a Whole of Home perf	ormance a	ssessmen	t is not con	ducted)	
Appliances					
Does the cooling appliance/s type, location and efficiency/performance shown on the NatHERS-stamped plans or as installed match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?					
Does the heating appliance/s type, location and efficiency/performance shown on the NatHERS-stamped plans or installed, match the location and minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?					
Does the hot water system type and efficiency/performance shown on the NatHERS-stamped plans or as installed match the location and minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?					
Does the pool pump efficiency/performance shown on the NatHERS-stamped plans or as installed match the minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?					
Does the onsite renewable energy system type, orientation and system size or generation capacity shown on the NatHERS stamped plans or installed match the 'Onsite Renewable Energy schedule' on this Certificate?					
Additional NCC Requirements for Services (not included in the NatH	ERS asse	essment)			
Does the lighting meet the artificial lighting requirements specified in the NCC?					
Does the hot water system meet the additional requirements specified in the NCC?					
Provisional values* check					
Have provisional values* been used in the assessment and, if so, are they noted in 'Additional notes' table below?					
Other NCC requirements					
Note: This Certificate only covers the energy efficiency requirements in the NCC. As include, but are not limited to: condensation, structural and fire safety requirements energy efficiency requirements. Additional notes ighting as per NatHERS Spec					

Room schedule

Room	Zone Type	Area [m²]
LOUNGE	living	12.9
BED 3	bedroom	11.3
ВАТН	unconditioned	8.7
BED 4	bedroom	11.5
BED 2	bedroom	10.9
WIR	nightTime	5
ENSUITE	nightTime	3.7
BED 1	bedroom	16.2
ENTRY	dayTime	13.8
KITCHEN - LIVING	kitchen	46.2
LAUNDRY	unconditioned	10.7
GARAGE	garage	30.2

Window and glazed door type and performance

Default* windows

				Substitution to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Availa	able				

Custom* windows

			Substitution to	lerance ranges
Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
Signature Double Hung Window 100 DG 4Clr-6-4Clr	4.6	0.6	0.57	0.63
SIG Sliding Window (100mm) SG 5Clr	6.57	0.68	0.65	0.71
ESS Double Hung Window (52mm) SG 5mmClr	6.2	0.71	0.67	0.75
COM Hinged/Pivot Door SG 5Clr	6.2	0.58	0.55	0.61
SIG Fixed Lite (67mm) SG 5mmClr	5.99	0.75	0.71	0.79
Essential Sliding Stacker Door SG 6mmClr	6.18	0.71	0.67	0.75
ESS Awning 52 SG 5mmClr	6.51	0.62	0.59	0.65
	Signature Double Hung Window 100 DG 4Clr-6-4Clr SIG Sliding Window (100mm) SG 5Clr ESS Double Hung Window (52mm) SG 5mmClr COM Hinged/Pivot Door SG 5Clr SIG Fixed Lite (67mm) SG 5mmClr Essential Sliding Stacker Door SG 6mmClr	Window descriptionU-value*Signature Double Hung Window 100 DG 4Clr-6-4Clr4.6SIG Sliding Window (100mm) SG 5Clr6.57ESS Double Hung Window (52mm) SG 5mmClr6.2COM Hinged/Pivot Door SG 5Clr6.2SIG Fixed Lite (67mm) SG 5mmClr5.99Essential Sliding Stacker Door SG 6mmClr6.18	Window description U-value* SHGC* Signature Double Hung Window 100 DG 4Clr-6-4Clr 4.6 0.6 SIG Sliding Window (100mm) SG 5Clr 6.57 0.68 ESS Double Hung Window (52mm) SG 5mmClr 6.2 0.71 COM Hinged/Pivot Door SG 5Clr 6.2 0.58 SIG Fixed Lite (67mm) SG 5mmClr 5.99 0.75 Essential Sliding Stacker Door SG 6mmClr 6.18 0.71	Window description Maximum U-value* SHGC* SHGC lower limit Signature Double Hung Window 100 DG 4CIr-6-4CIr 4.6 0.6 0.57 SIG Sliding Window (100mm) SG 5CIr 6.57 0.68 0.65 ESS Double Hung Window (52mm) SG 5mmClr 6.2 0.71 0.67 COM Hinged/Pivot Door SG 5CIr 6.2 0.58 0.55 SIG Fixed Lite (67mm) SG 5mmClr 5.99 0.75 0.71 Essential Sliding Stacker Door SG 6mmClr 6.18 0.71 0.67

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]		Window type	Opening %	Orientation	window shading device*
LOUNGE	BRD-080-10 A	W2	1800	1810	double_hung	22.0	S	No

7 Star Rating as of 25 Jun 2025



BED 3	BRD-044-04 A	W3	1030	1570	sliding	45.0	E	No
BATH	BRD-044-04 A	W4	1030	1570	sliding	45.0	E	No
BED 4	BRD-044-04 A	W5	1030	1570	sliding	45.0	E	No
BED 2	BRD-024-32 A	W1	1800	730	double_hung	45.0	s	No
BED 2	BRD-024-32 A	W2	1800	730	double_hung	45.0	s	No
ENSUITE	BRD-024-32 A	W11	1800	730	double_hung	45.0	S	No
BED 1	BRD-044-04 A	W10	1030	1570	sliding	45.0	W	No
ENTRY	BRD-067-01 A	D1	2040	1000	casement	100.0	S	No
KITCHEN - LIVING	BRD-063-38 A	W6	600	1810	fixed	0.0	E	No
KITCHEN - LIVING	BRD-044-04 A	W7	772	2410	sliding	45.0	E	No
KITCHEN - LIVING	BRD-044-04 A	W8	772	2410	sliding	45.0	E	No
KITCHEN - LIVING	BRD-139-29 A	D2	2100	3224	sliding	60.0	N	No
LAUNDRY	BRD-112-38 A	D3	850	610	awning	90.0	W	No
LAUNDRY	BRD-067-01 A	D3	2120	840	casement	100.0	W	No

Roof window* type and performance value

Default* roof windows

				Substitution to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Available					

Custom* roof windows

				Substitution to	olerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Available					

Roof window* schedule

			Opening	Area	Width		Outdoor	Indoor
Location	Window ID	Window no.	%	[m²]	[mm]	Orientation	shade	shade
No Data Ava	ilable							

Skylight* type and performance		
Skylight ID	Skylight description	Skylight shaft reflectance
No Data Available		

Skylight* schedule

			Skylight shaπ	Area	Orient-	Outdoor	
Location	Skylight ID	Skylight No.	length [mm]	[m²]	ation	shade	Diffuser



No Data Available

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
GARAGE	2100	4800	100.0	W

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
1	01 - Brick Veneer Antiglare + R2.7	0.5	Medium	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)	Yes
2	01 - Res Party Wall + R2.5	0.5	Medium	Glass fibre batt: R2.5 (R2.5);Glass fibre batt: R2.5 (R2.5)	No
3	1 - Brick Veneer Antiglare	0.5	Medium		Yes
4	FR5 - Double Brick	0.5	Medium		No

External wall schedule

					Horizontal shading	
		Height	Width		feature* maximum	Vertical shading
Location	Wall ID	[mm]	[mm]	Orientation	projection [mm]	feature* (yes/no)
LOUNGE	1	2650	3399	S	541	Yes
LOUNGE	1	2650	3797	E	541	Yes
LOUNGE	1	2650	1748	W	3066	Yes
BED 3	1	2650	2997	E	541	Yes
BATH	1	2650	2497	E	541	Yes
BED 4	1	2650	3001	E	541	Yes
BED 2	1	2650	1325	S	541	Yes
BED 2	1	2650	1675	s	1831	Yes
BED 2	1	2650	508	E	1151	Yes
BED 2	1	2650	2358	W	541	Yes
ENSUITE	1	2650	1600	S	541	Yes
ENSUITE	1	2650	1829	W	541	Yes
BED 1	1	2650	1799	s	541	Yes
BED 1	2	2650	6493	N	0	No
BED 1	1	2650	3200	W	542	Yes
ENTRY	1	2650	1460	S	2339	Yes
ENTRY	2	2650	4597	W	0	No
KITCHEN - LIVING	1	2650	9498	E	541	Yes
KITCHEN - LIVING	1	2650	4948	N	542	Yes
KITCHEN - LIVING	2	2650	2899	W	0	No

	À
HOUSE	

LAUNDRY	2	2650	6493	s	0	No
LAUNDRY	1	2650	990	N	5581	Yes
LAUNDRY	1	2650	1647	W	471	Yes
GARAGE	3	2736	1388	E	550	Yes
GARAGE	3	2736	5498	N	0	Yes
GARAGE	4	2736	5498	W	1510	Yes

Internal wall type

Wall ID	Wall type	Area [m²]	Bulk insulation
1	FR5 - Internal Plasterboard Stud Wall	98.4	
2	1 - Internal Wall + R2.5	31.3	Glass fibre batt: R2.5 (R2.5)
3	1 - Garage Internal Wall + R2.5	25.5	Glass fibre batt: R2.5 (R2.5)

Floor type

. 100. 1970					
Location	Construction	Area [m²]	Sub-floor ventilation	Added insulati [R-value]	on Covering
LOUNGE	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	9.9	Enclosed	R0.0	Carpet
LOUNGE	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	3	Enclosed	R0.0	Carpet
BED 3	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	1.4	Enclosed	R0.0	Carpet
BED 3	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	10	Enclosed	R0.0	Carpet
BATH	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	1.1	Enclosed	R0.0	Tiles
BATH	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	7.5	Enclosed	R0.0	Tiles
BED 4	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	1.4	Enclosed	R0.0	Carpet
BED 4	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	10.1	Enclosed	R0.0	Carpet
BED 2	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	8.9	Enclosed	R0.0	Carpet
BED 2	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	2	Enclosed	R0.0	Carpet
WIR	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	5	Enclosed	R0.0	Carpet
ENSUITE	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	2.4	Enclosed	R0.0	Tiles
ENSUITE	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	1.3	Enclosed	R0.0	Tiles
BED 1	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	13.9	Enclosed	R0.0	Carpet

HOUSE	

BED 1	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	2.2	Enclosed	R0.0	Carpet
ENTRY	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	13.8	Enclosed	R0.0	Vinyl
KITCHEN - LIVING	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	6.3	Enclosed	R0.0	Vinyl
KITCHEN - LIVING	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	39.8	Enclosed	R0.0	Vinyl
LAUNDRY	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	9.9	Enclosed	R0.0	Tiles
LAUNDRY	FR5 - 300mm waffle pod, 85mm concrete (R0.63)	0.7	Enclosed	R0.0	Tiles
GARAGE	FR5 - 225mm waffle pod, 85mm concrete (R0.60)	30.2	Enclosed	R0.0	none

Ceiling type

Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
LOUNGE	Plasterboard	R7.0	Yes
LOUNGE	Plasterboard	R3.0	Yes
BED 3	Plasterboard	R3.0	Yes
BED 3	Plasterboard	R7.0	Yes
BATH	Plasterboard	R3.0	Yes
BATH	Plasterboard	R7.0	Yes
BED 4	Plasterboard	R3.0	Yes
BED 4	Plasterboard	R7.0	Yes
BED 2	Plasterboard	R7.0	Yes
BED 2	Plasterboard	R3.0	Yes
WIR	Plasterboard	R7.0	Yes
ENSUITE	Plasterboard	R7.0	Yes
ENSUITE	Plasterboard	R3.0	Yes
BED 1	Plasterboard	R7.0	Yes
BED 1	Plasterboard	R3.0	Yes
ENTRY	Plasterboard	R7.0	Yes
KITCHEN - LIVING	Plasterboard	R3.0	Yes
KITCHEN - LIVING	Plasterboard	R7.0	Yes
LAUNDRY	Plasterboard	R7.0	Yes
LAUNDRY	Plasterboard	R3.0	Yes
GARAGE	Plasterboard	R0.0	Yes

Ceiling penetrations*

Location Quantity Type [mm] [mm] Sealed/unsealed

7 Star Rating as of 25 Jun 2025



LOUNGE	2	Downlights	50	50	Sealed
BED 3	2	Downlights	50	50	Sealed
BATH	1	Downlights	50	50	Sealed
BATH	1	Exhaust Fans	250	250	Sealed
BED 4	2	Downlights	50	50	Sealed
BED 2	2	Downlights	50	50	Sealed
WIR	1	Downlights	50	50	Sealed
ENSUITE	1	Downlights	50	50	Sealed
ENSUITE	1	Exhaust Fans	250	250	Sealed
BED 1	4	Downlights	50	50	Sealed
ENTRY	2	Downlights	50	50	Sealed
KITCHEN - LIVING	1	Exhaust Fans	250	250	Sealed
KITCHEN - LIVING	9	Downlights	50	50	Sealed
LAUNDRY	2	Downlights	50	50	Sealed

Ceiling fans

Location	Quantity	Diameter [mm]
No Data Available		

Roof type

Construction	Added insulation [R-value]	Solar absorptance	Roof shade [colour]
Cont:Attic-Continuous	1.3	0.33	Light

Thermal bridging schedule for steel frame elements

	Steel section dimensions		Steel thickness	Thermal break
Building element	[height x width, mm]	Frame spacing [mm]	[BMT,mm]	[R-value]
No Data				

Available

Appliance schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

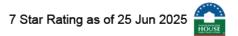
Note: A flat assumption of 5W/m2 is used for lighting, therefore lighting is not included in the appliance schedule.

Cooling system

			Minimum efficiency/	Recommended	
Appliance/ system type	Location	Fuel type	performance	capacity	
No Whole of Home performa	nce assessment co	onducted for this certificate			

Heating system

			Minimum efficiency/	Recommended	
Appliance/ system type	Location	Fuel type	performance	capacity	
No Whole of Home perform	ance assessment co	nducted for this certific	ate.		



Hot water system

Minimum

efficiency/ Hot Water CER

- - -

Assessed daily

Appliance/ system type

Fuel type

performance

Zone

Zone 3 STC

load

No Whole of Home performance assessment conducted for this certificate.

Pool/spa equipment

Minimum efficiency/

Recommended

Appliance/ system type

Fuel type

performance

capacity

No Whole of Home performance assessment conducted for this certificate.

Onsite renewable energy schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

System type

Orientation

System size or generation capacity

No Whole of Home performance assessment conducted for this certificate.

Battery schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

System type

Size [battery storage capacity]

No Whole of Home performance assessment conducted for this certificate.

Explanatory Notes

About this report

NatHERS ratings are a reliable guide for comparing different dwelling designs and to demonstrate that designs meet the energy efficiency requirements in the National Construction Code.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the heating and cooling energy loads and energy value* of the whole home. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy generation and storage to estimate the homes energy value*.

The actual energy loads, cost and greenhouse gas emissions of a home may vary from that predicted. This is because the assumptions will not always match the actual occupant usage patterns. For example, the number of occupants and how people use their appliances will vary. Energy efficient homes use less energy, are warmer on cool days, cooler on hot days and cost less to run.

Accredited assessors

For quality assured Nathers Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.

Non-accredited assessors (Raters) have no ongoing training requirements and are not quality assured.

Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

Disclaimer

The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in the certificate is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.

The predicted annual energy load, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.

Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.

Not all assumptions made by the assessor using the NatHERS accredited software tool are presented in this report and further details or data files may be obtained from the assessor.

Glossary

Annual energy load	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.
AFRC	Australian Fenestration Rating Council
Assessed floor area	the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consistent with the floor area in the design documents.
Ceiling penetrations	features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts.
Conditioned	a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages.
COP	Coefficient of performance
Custom windows	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Default windows	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
EER	Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single kWh of electricity input
Energy use	This is your homes rating without solar or batteries.
Energy value	The net cost to society including, but not limited to, costs to the building user, the environment and energy networks (as defined in the ABCB Housing Provisions Standard).
Entrance door	these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilate corridor in a Class 2 building.
Exposure category – expose	d terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).
Exposure category – open	terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farmland with scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).
Exposure category – suburban	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
Exposure category – protected	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
Horizontal shading feature	provides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from upper levels.
National Construction Code	the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or
(NCC) Class	4 buildings and attached Class 10a buildings. Definitions can be found at www.abcb.gov.au.
Net zero home	a home that achieves a net zero energy value*.
Opening percentage	the openability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.
Provisional value	an assumed value that does not represent an actual value. For example, if the wall colour is unspecified in the documentation, a provisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Technical Note and can be found at www.nathers.gov.au
Recommended capacity	this is the capacity or size of equipment that is recommended by NatHERS to achieve the desired comfort conditions in the zone or zones serviced. This is a recommendation and the final selection sizing should be confirmed by a suitably qualified person.
Reflective wrap (also known	
as foil)	properties.
Roof window	for NatHERS this is typically an operable window (i.e. can be opened), will have a plaster or similar light well if there is an attic space and generally does not have a diffuser.
Shading features	includes neighbouring buildings, fences, and wing walls, but excludes eaves.
Solar heat gain coefficient (SHGC)	the fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.
Skylight (also known as roof lights)	for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.

7 Star Rating as of 25 Jun 2025

HOUSE	

	SHIRLY SHIPE IS THE REAL PROPERTY OF THE PROPE
STCs	Small-scale Technology Certificates, certificates created by the REC registry for renewable energy technologies that may be bought
	and sold as part of the Small-scale Renewable Energy Scheme operated by the Clean Energy Regulatory
Thermal breaks	are materials with an R-value greater than or equal to 0.2 that must separate the metal frame from the cladding. This includes, but is
	not limited to, materials such as timber battens greater than or equal to 20mm thick, continuous thermal breaks such as polystyrene
	insulation sheeting, plastic strips or furring channels.
U-value	the rate of heat transfer through a window. The lower the U-value, the better the insulating ability.
Unconditioned	a zone within a dwelling that is assumed to not require heating and cooling based on standard occupancy assumptions.
Vertical shading features	provides shading to the building in the vertical plane and can be parallel or perpendicular to the subject wall/window. Includes privacy
	screens, other walls in the building (wing walls), fences, other buildings, vegetation (protected or listed heritage trees).
Window shading device	a device fixed to windows that provides shading e.g. window awnings or screens but excludes horizontal* or vertical shading features*
_	(eg eaves and balconies)