Nationwide House Energy Rating Scheme® NatHERS® Certificate No. ZE5N2YLPJT

Generated on 17 Jul 2025 using FirstRate5: 5.5.5a (3.22)

Property

Address 16A Melwood Avenue,

Forestville, NSW, 2087

Lot/DP 29/DP366454 **NCC Class*** Class 1a

Floor/all Floors

Type New Home

Plans

Main plan

Prepared by Corona Projects

Construction and environment

Assessed floor area [m²]*
Conditioned* 214.6

Unconditioned* 10.1

Unconditioned* 48.1 Total 262.7

Garage 32.7

Exposure type

suburban

NatHERS climate zone

56 Mascot AMO



Accredited assessor

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 Accreditation No.
 101146

Assessor Accrediting Organisation

ABSA

Declaration of interest No

NCC Requirements

NCC provisions Volume 2
State/Territory variation Yes

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



29.6 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	18.6	11.1
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=ZE5N2YLPJT 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

Νo

NA - not applicable

Outdoor living area:

Yes

Nο

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.	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
It is not mandatory to complete this checklist.	Asse	Cons	Build	Cons	Occı
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					
Does the floor insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the <i>'Floor type'</i> table on this certificate?					
Ceiling penetrations*	T	I	T	I	
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					
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		ı		I	
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				
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 performance check)	formance 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 NatHERS assessment)							
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. A							

include, but are not limited to: condensation, structural and fire safety requirements and any state or territory variations to the NCC energy efficiency requirements.

Additional notes

Room schedule

Room	Zone Type	Area [m²]
GUEST Bedroom 1	bedroom	12.1
PANTRY	dayTime	7
Kitchen/Living /Dining	kitchen	53.6
Laundry	unconditioned	3.7
Batth GF	unconditioned	4.1
Entry/Stairs	dayTime	31.4
Garage	garage	32.7
M. Bedroom	bedroom	24.3
ENS	nightTime	6.7
WIR	nightTime	7.9
Bedroom 2	bedroom	26.9
Bedroom 3	bedroom	16.7
bath	unconditioned	7.5
hallway and stairs FF	dayTime	23.2
study/media	living	17.4

Window and glazed door type and performance

Default* windows

				Substitution tolerance ranges		
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit	
TIM-001-01 W	Timber A SG Clear	5.4	0.56	0.53	0.59	

Custom* windows

				Substitution to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
BRD-154-39 A	Essential Sliding Window 67 DG 4mmClr_10Ar_4mmOptitherm	2.97	0.5	0.48	0.53
BRD-086-33 A	Sig Fixed Window 100 External Glazed DG FGIOptEmaClr_6mm_12Ar_6mm	2.7	0.52	0.49	0.55
BRD-035-56 A	SIG Sliding Door (100mm) DG 008_AGG PLUS CIr 4_10_4	2.7	0.53	0.5	0.56
BRD-141-31 A	Signature Sliding Stacking Door DG 4mmClr-10Ar-4mmOptitherm	2.73	0.53	0.5	0.56
BRD-097-41 A	Signature Awning Window 100TB DG LowEClear_4mm-10-4mm	2.54	0.46	0.44	0.48

Window and glazed door schedule

HOUSE	

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
GUEST Bedroom	BRD-154-39 A	W03B	1500	1800	sliding	45.0	N	No
PANTRY	BRD-086-33 A	W02B	750	1600	sliding	45.0	N	No
Kitchen/Living /Dining	BRD-086-33 A	W09B	2100	1200	fixed	0.0	S	No
Kitchen/Living /Dining	BRD-086-33 A	W08B	2100	1200	fixed	0.0	S	No
Kitchen/Living /Dining	BRD-035-56 A	D05B	2400	1941	sliding	45.0	E	No
Kitchen/Living /Dining	BRD-086-33 A	W01B	750	3200	fixed	0.0	N	No
Kitchen/Living /Dining	BRD-141-31 A	D01A(STACKER DOOR)	3000	5920	other	80.0	W	No
Laundry	TIM-001-01 W	glazed portion on laudry door	1100	820	casement	90.0	W	No
Batth GF	BRD-097-41 A	W06B	900	900	awning	90.0	S	No
Entry/Stairs	BRD-086-33 A	W15B	1550	1600	fixed	0.0	N	No
Entry/Stairs	BRD-086-33 A	W07B	2700	3555	fixed	0.0	S	No
Entry/Stairs	BRD-086-33 A	W05B	2100	2400	casement	30.0	S	No
Garage	BRD-086-33 A	W04B	800	1800	casement	45.0	N	No
M. Bedroom	BRD-035-56 A	D07B	2400	4200	sliding	66.0	E	No
M. Bedroom	BRD-086-33 A	W18B	2300	900	fixed	0.0	S	No
M. Bedroom	BRD-086-33 A	W17B	2300	900	fixed	0.0	S	No
ENS	BRD-154-39 A	W16B	800	1800	sliding	10.0	N	No
Bedroom 2	BRD-035-56 A	D06B	2400	4200	sliding	66.0	W	No
Bedroom 3	BRD-097-41 A	W10B	2300	900	awning	10.0	N	No
Bedroom 3	BRD-097-41 A	W11B	2300	886	awning	10.0	N	No
bath	BRD-097-41 A	W12B	2300	1400	awning	10.0	N	No
hallway and stairs FF	BRD-086-33 A	W15B	2400	1600	fixed	0.0	N	No
hallway and stairs FF	BRD-086-33 A	W19B	2700	2400	fixed	0.0	S	No
study/media	BRD-097-41 A	W13B	2300	900	awning	10.0	N	No

Roof window* type and performance value

Default* roof windows

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



Custom* roof windows

Substitution tolerance ranges

Window ID Window description Maximum
U-value* SHGC lower limit SHGC upper limit

No Data Available

Roof window* schedule

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

No Data Available

Skylight* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
No Data Available		

Skylight* schedule

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

Available

External door schedule

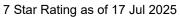
Location	Height [mm]	Width [mm]	Opening %	Orientation
Laundry	1100	820	100.0	W
Entry/Stairs	2400	1260	100.0	E
Garage	2500	4810	100.0	E

External wall type

V	Vall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
	1	2024 - hebel Veneer R2.7 insulation(75mm hebel)	0.3	Light	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)	No
	2	2024 - drop edge beam	0.5	Medium		No

External wall schedule

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature* (yes/no)
GUEST Bedroom 1	1	3000	3578	N	0	Yes
PANTRY	1	3000	2291	N	0	Yes
Kitchen/Living /Dining	1	3000	7724	S	0	No
Kitchen/Living /Dining	1	3000	2567	E	0	Yes
Kitchen/Living /Dining	1	3000	6834	N	0	Yes



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Kitchen/Living /Dining	1	3000	7242	W	3441	Yes
Laundry	1	3000	1495	S	0	No
Laundry	1	3000	2450	W	0	Yes
Batth GF	1	3000	1805	S	0	No
Entry/Stairs	1	2400	1686	E	3966	Yes
Entry/Stairs	1	3000	3405	N	0	Yes
Entry/Stairs	1	3000	3930	S	0	Yes
Entry/Stairs	1	2400	4386	S	0	No
Garage	1	3100	5458	Е	969	No
Garage	1	3100	6053	N	0	Yes
Garage	2	100	4660	W	0	No
Garage	2	100	1118	SW	0	No
Garage	2	100	2298	S	0	No
Garage	1	3100	2979	S	1758	Yes
M. Bedroom	1	2700	4828	E	970	Yes
M. Bedroom	1	2700	7241	S	301	No
ENS	1	2700	1793	N	328	Yes
WIR	1	2700	682	Е	978	Yes
WIR	1	2700	5336	N	311	Yes
Bedroom 2	1	2700	7161	S	313	No
Bedroom 2	1	2700	3851	N	309	Yes
Bedroom 2	1	2700	5546	W	1183	Yes
Bedroom 3	1	2700	4421	N	312	Yes
bath	1	2700	1991	N	324	Yes
hallway and stairs FF	1	3000	2209	N	328	Yes
hallway and stairs FF	1	2700	2635	S	318	No
hallway and stairs FF	1	2700	591	E	3539	Yes
hallway and stairs FF	1	2700	3970	S	936	Yes
hallway and stairs FF	1	2700	609	W	3498	Yes
hallway and stairs FF	1	2700	3571	S	296	No
study/media	1	2700	4518	N	325	Yes

Internal wall type

Wall ID	Wall type	Area [m²]	Bulk insulation
1	FR5 - Internal Plasterboard Stud Wall	148	
2	2024 - PB INSUL PB (R2.7)	74.2	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)

Floor type



	Construction	Area [m²]	ventilation	Added insulation [R-value]	Covering
GUEST Bedroom 1	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	12.1	Enclosed	R0.0	Tiles
PANTRY	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	7	Enclosed	R0.0	Tiles
Kitchen/Living /Dining	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	53.6	Enclosed	R0.0	Tiles
Laundry	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	3.7	Enclosed	R0.0	Tiles
Batth GF	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	4.1	Enclosed	R0.0	Tiles
Entry/Stairs	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	31.4	Enclosed	R0.0	Tiles
Garage	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	32.7	Enclosed	R0.0	none
M. Bedroom	2023 - Alpha panel 35mm+Timber Joists+R4.0	24.3	Enclosed	R4.0	Tiles
ENS	2023 - Alpha panel 35mm+Timber Joists+R4.0	6.7	Enclosed	R4.0	Tiles
WIR	2023 - Alpha panel 35mm+Timber Joists+R4.0	5.6	Enclosed	R4.0	Tiles
WIR	2023 - Alpha panel 35mm+Timber Joists+R4.0	2.3	Enclosed	R4.0	Tiles
Bedroom 2	2023 - Alpha panel 35mm+Timber Joists+R4.0	15.7	Enclosed	R4.0	Tiles
Bedroom 2	2023 - Alpha panel 35mm+Timber Joists+R4.0	11.2	Elevated	R4.0	Tiles
Bedroom 3	2023 - Alpha panel 35mm+Timber Joists+R4.0	16.7	Enclosed	R4.0	Tiles
bath	2023 - Alpha panel 35mm+Timber Joists+R4.0	7.5	Enclosed	R4.0	Tiles
hallway and stairs FF	2023 - Alpha panel 35mm+Timber Joists+R4.0	23.2	Enclosed	R4.0	Tiles
study/media	2023 - Alpha panel 35mm+Timber Joists+R4.0	17.4	Enclosed	R4.0	Tiles

Ceiling type

Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
GUEST Bedroom 1	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No
PANTRY	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No



Kitchen/Living /Dining	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No
Kitchen/Living /Dining	Plasterboard	R6.5	Yes
Laundry	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No
Laundry	Plasterboard	R6.5	Yes
Batth GF	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No
Batth GF	Plasterboard	R6.5	Yes
Entry/Stairs	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No
Entry/Stairs	Plasterboard	R6.5	Yes
Garage	2023 - Alpha panel 35mm+Timber Joists+R4.0	R4.0	No
M. Bedroom	Plasterboard	R6.5	Yes
ENS	Plasterboard	R6.5	Yes
WIR	Plasterboard	R6.5	Yes
WIR	Plasterboard	R6.5	Yes
Bedroom 2	Plasterboard	R6.5	Yes
Bedroom 2	Plasterboard	R6.5	Yes
Bedroom 3	Plasterboard	R6.5	Yes
bath	Plasterboard	R6.5	Yes
hallway and stairs FF	Plasterboard	R6.5	Yes
study/media	Plasterboard	R6.5	Yes

Ceiling penetrations*

			Height	Width	
Location	Quantity	Туре	[mm]	[mm]	Sealed/unsealed
GUEST Bedroom 1	5	Downlights	0	0	Sealed
PANTRY	2	Downlights	0	0	Sealed
Kitchen/Living /Dining	1	Exhaust Fans	180	180	Sealed
Kitchen/Living /Dining	21	Downlights	0	0	Sealed
Batth GF	1	Exhaust Fans	180	180	Sealed
Entry/Stairs	12	Downlights	0	0	Sealed
M. Bedroom	10	Downlights	0	0	Sealed
ENS	1	Exhaust Fans	180	180	Sealed
WIR	1	Downlights	0	0	Sealed
Bedroom 2	11	Downlights	0	0	Sealed

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Bedroom 3	7	Downlights	0	0	Sealed	
bath	1	Exhaust Fans	180	180	Sealed	
hallway and stairs FF	9	Downlights	0	0	Sealed	
study/media	7	Downlights	0	0	Sealed	

Ceiling fans

Location	Quantity	Diameter [mm]
GUEST Bedroom 1	1	1400
Kitchen/Living /Dining	1	1400
M. Bedroom	1	1400
Bedroom 2	1	1400
Bedroom 3	1	1400
study/media	1	1400

Roof type

	Added insulation			
Construction	[R-value]	Solar absorptance	Roof shade [colour]	
Cont:Attic-Continuous	1.8	0.3	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 perform	ance assessment co	nducted for this certific	ate.		

Heating system

			Minimum efficiency/	Recommended
Appliance/ system type	Location	Fuel type	performance	capacity
No Whole of Home performance assessment conducted for this certificate.				

Hot water system

	officion and	Hat Water CED		Assessed della
Appliance/ system type Fuel type	efficiency/ performance	Hot Water CER Zone	Zone 3 STC	Assessed daily load



Pool/spa equipment

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 AFRC Assessed floor area Ceiling penetrations Conditioned COP Custom windows Default windows EER Energy use	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions. Australian Fenestration Rating Council 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. 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. 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. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Assessed floor area Ceiling penetrations Conditioned COP Custom windows Default windows EER	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. 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. 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. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
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COP Custom windows Default windows EER	circumstances it will include garages. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Custom windows Default windows EER	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Default windows EER	Scheme) rating.
EER	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
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Energy use	Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single kWh of electricity input
	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 –	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
suburban	
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 (NCC) Class	
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)	
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	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.
(SHGC)	f 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 17 Jul 2025

NATIONWIDE HOUSE

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)