Nationwide House Energy Rating Scheme® NatHERS® Certificate No. F411GVBA2C

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

Property

Address 16 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* 213.6

Unconditioned* 48.7 Total 262.3

Garage 33

Exposure type

suburban

NatHERS climate zone

56 Mascot AMO



Accredited assessor

Name Akhtar Vaseem
Business name Positive eco

Email avaseem@positiveeco.com.au

Phone 0431418787
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

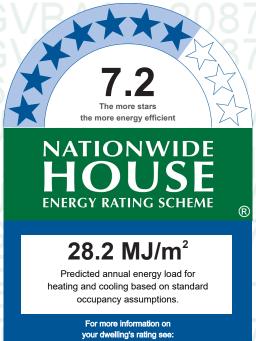
The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two.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



Thermal performance [MJ/m²]

www.nathers.gov.au

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled	12.3	16
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=F411GVBA2C 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

No

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		
The checklist covers important items impacting the dwelling's ratings. It is recommended that the accuracy of the whole certificate is checked.	Assessor checked	Consent authority/ surveyor checked	checked	Consent authority/ surveyor checked	Occupancy/other
Note: The boxes indicate when and who should check each item. It is not mandatory to complete this checklist.	Assesso	Consent	Builder checked	Consent	Occupar
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*		I	1	ı	ı
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					
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				ı	ı
Does the dwelling meet the NCC requirements for Building Sealing?					
Whole of Home performance check (not applicable if a Whole of Home performance check)	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. A include, but are not limited to: condensation, structural and fire safety requirements					

energy efficiency requirements.

Additional notes

Room schedule

litioned litioned m	33 4.4 3.8 12.2 7.1
litioned m ne	3.8
m ne	12.2
ne	
	7.1
ie	26.5
	58.1
m	24.4
me	6.8
me	8
m	26.9
m	16.7
litioned	7.5
ne	22
	17.5
֡	m me me me mi mi ditioned

Window and glazed door type and performance

Default* windows

BRD-086-36 A

BRD-141-31 A

BRD-035-62 A

Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC up
TIM-001-01 W	Timber A SG Clear	5.4	0.56	0.53	0.5
Custom* windows					
				Substitution to	olerance ra
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC up
BRD-063-17 A	SIG Fixed Lite (67mm) SG 4SP30	4.15	0.49	0.47	0.5
BRD-097-01 A	Signature Awning Window 100TB DG 638Lam-12Ar-6mmClr	3.02	0.48	0.46	0.8
BRD-102-08 A	Signature Sliding Window 100TB DG 4mmET/12Ar/4mmClr	2.7	0.45	0.43	0.4

Maximum

2.73

2.84

0.4

0.53

0.4

0.38

0.5

0.38

Window and glazed door schedule

lam 638_8_4

Sig Fixed Window 100 External Glazed DG

Signature Sliding Stacking Door DG

4mmClr-10Ar-4mmOptitherm

FGIOptEmaPrivacyWhiteTransProtekta_638_12Ar_4mm

SIG Sliding Door (100mm) DG 014_AGG PLUS WTrans

0.4

0.5

0.4

Substitution tolerance rai



Landin	Window ID	Windows	Height	Width	NAC on all accordances	Out - using as 0/	Orientetien	Window shading
Location	Window ID	Window no.	[mm]	[mm]	Window type	Opening %		device*
Garage	BRD-063-17 A	W05A	800	3800	fixed	0.0	N	No
BATH	BRD-097-01 A	W04A	1500	900	awning	90.0	N	No
LAUNDRY	TIM-001-01 W	D03A glazed prtion of laundry door	1100	820	sliding	45.0	W	No
GUEST Bedroom 1	BRD-102-08 A	W07A	2700	1800	sliding	30.0	S	No
PANTRY	BRD-086-36 A	W08A	750	1600	sliding	45.0	S	No
ENTRY HALLWAY STAIR GF	BRD-086-36 A	W03A	2400	3555	fixed	0.0	N	No
ENTRY HALLWAY STAIR GF	BRD-086-36 A	W14A	1550	1600	fixed	0.0	S	No
ENTRY HALLWAY STAIR GF	BRD-086-36 A	W06A	2100	3800	fixed	0.0	S	No
Kitchen/Living /Dining	BRD-141-31 A	D01A(stacker)	3000	5920	other	80.0	W	No
Kitchen/Living /Dining	BRD-086-36 A	W09A	750	3200	fixed	0.0	S	No
Kitchen/Living /Dining	BRD-035-62 A	D02A	2400	1880	sliding	45.0	E	No
Kitchen/Living /Dining	BRD-086-36 A	W01A	2100	1200	fixed	0.0	N	No
Kitchen/Living /Dining	BRD-086-36 A	W02A	2100	1200	fixed	0.0	N	No
M. Bedroom	BRD-086-36 A	W11A	2300	900	fixed	0.0	N	No
M. Bedroom	BRD-086-36 A	W12A	2300	900	fixed	0.0	N	No
M. Bedroom	BRD-035-62 A	D07A	2400	4200	sliding	66.0	E	No
ENS	BRD-102-08 A	W13A	800	1800	sliding	10.0	S	No
Bedroom 2	BRD-035-62 A	D06A	2400	4200	sliding	66.0	W	No
Bedroom 3	BRD-097-01 A	W19A	2300	900	awning	10.0	S	No
Bedroom 3	BRD-097-01 A	W18A	2300	900	awning	10.0	S	No
bath	BRD-097-01 A	W17A	2300	1400	awning	10.0	S	No
hallway and stairs FF	BRD-086-36 A	W10A	2700	2400	fixed	0.0	N	No
hallway and stairs	BRD-086-36 A	W14A	2400	1600	fixed	0.0	S	No
study/media	BRD-097-01 A	W16A	2300	900	awning	10.0	S	No
study/media	BRD-097-01 A	W15A	2300	900	awning	10.0	S	No

Roof window* type and performance value

Window description

Window description

Default* roof windows

Substitution to	lerance ranges
SHGC lower limit	SHGC upper limit

No Data Available

Window ID

Window ID

Custom* roof windows

Substitution tolerance ranges

Maximum U-value*

Maximum

SHGC*

SHGC*

U-value*

SHGC lower limit SHGC upper limit

No Data Available

Roof window* schedule

No Doto Ave	ilahla							
Location	Window ID	Window no.	%	[m²]	[mm]	Orientation	shade	shade
			Opening	g Area	wiatn		Outdoor	indoor

No Data Available

Skylight* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
GEN-04-004a	DC: Double Clear	

Skylight* schedule

Location	Skylight ID	Skylight No.	Skylight shaft length [mm]	Area [m²]	Orient- ation	Outdoor shade	Diffuser
ENS	GEN-04-004a	Element 5	500	0.5	N	None	No
bath	GEN-04-004a	Element 2	500	0.5	N	None	No
hallway and stairs FF	GEN-04-004a	Element 1	500	1.2	N	None	No
hallway and stairs FF	GEN-04-004a	Element 4	500	1.2	N	None	No
study/media	GEN-04-004a	Element 3	500	1.2	N	None	No

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Garage	2500	4810	100.0	E
LAUNDRY	1100	820	100.0	W
ENTRY HALLWAY STAIR GF	2400	1260	100.0	E

External wall type

Wall 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

		Height	Width		Horizontal shading feature* maximum	Vertical shading
Location	Wall ID	[mm]	[mm]	Orientation	projection [mm]	feature* (yes/no)
Garage	1	3100	6046	N	0	Yes
Garage	2	100	2454	E	0	No
Garage	2	100	2891	Е	0	No
Garage	2	100	4033	N	0	No
Garage	1	3000	2025	S	1764	Yes
Garage	1	3100	5445	Е	958	No
BATH	1	3000	1802	N	0	Yes
LAUNDRY	1	3000	1552	N	0	Yes
LAUNDRY	1	3000	2454	W	0	Yes
GUEST Bedroom 1	1	3000	3602	S	0	No
GUEST Bedroom 1	1	3000	523	E	0	Yes
PANTRY	1	3000	2277	S	0	No
ENTRY HALLWAY STAIR GF	1	3000	1680	E	2982	Yes
ENTRY HALLWAY STAIR GF	1	3000	3939	N	0	Yes
ENTRY HALLWAY STAIR GF	1	3000	2324	S	0	Yes
ENTRY HALLWAY STAIR GF	1	3000	524	W	0	Yes
ENTRY HALLWAY STAIR GF	1	3000	5232	S	0	No
Kitchen/Living /Dining	1	3000	7242	W	3441	Yes
Kitchen/Living /Dining	1	3000	6834	S	0	No
Kitchen/Living /Dining	1	3000	2562	E	0	Yes
Kitchen/Living /Dining	1	3000	8952	N	0	Yes
M. Bedroom	1	2700	7260	N	301	No
M. Bedroom	1	2700	4844	E	950	Yes
ENS	1	2700	1796	S	344	No
ENS	1	2700	517	W	1000	Yes
WIR	1	2700	5360	S	301	No
WIR	1	2700	675	E	1025	Yes
Bedroom 2	1	2700	5546	W	1183	Yes
Bedroom 2	1	2700	3851	S	304	No
Bedroom 2	1	2700	7161	N	313	No

HOUSE	

bath	1	2700	1991	S	320	No	
hallway and stairs FF	1	2700	2262	N	341	No	
hallway and stairs FF	1	2700	600	W	1000	Yes	
hallway and stairs FF	1	2700	3948	N	917	Yes	
hallway and stairs FF	1	2700	595	Е	1004	Yes	
hallway and stairs FF	1	2700	3969	N	318	No	
hallway and stairs FF	1	2700	2215	S	836	Yes	
study/media	1	2700	4532	S	310	No	
study/media	1	2700	522	Е	1000	Yes	

Internal wall type

Wall	ID	Wall type	Area [m²]	Bulk insulation
1		2024 - PB INSUL PB (R2.7)	71.6	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)
2		FR5 - Internal Plasterboard Stud Wall	143.2	

Floor type

Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	n Covering
Garage	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	33	Enclosed	R0.0	none
ВАТН	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	4.4	Enclosed	R0.0	Tiles
LAUNDRY	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	3.8	Enclosed	R0.0	Tiles
GUEST Bedroom 1	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	12.2	Enclosed	R0.0	Tiles
PANTRY	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	7.1	Enclosed	R0.0	Tiles
ENTRY HALLWAY STAIR GF	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	26.5	Enclosed	R0.0	Tiles
Kitchen/Living /Dining	FR5 - 175mm waffle pod, 85mm concrete (R0.57)	58.1	Enclosed	R0.0	Tiles
M. Bedroom	2023 - Alpha panel 35mm+Timber Joists+R2.0	24	Enclosed	R2.0	Timber
M. Bedroom	2023 - Alpha panel 35mm+Timber Joists+R2.0	0.4	Elevated	R2.0	Timber
ENS	2023 - Alpha panel 35mm+Timber Joists+R2.0	6.8	Enclosed	R2.0	Tiles
WIR	2023 - Alpha panel 35mm+Timber Joists+R2.0	5.6	Enclosed	R2.0	Timber
WIR	2023 - Alpha panel 35mm+Timber Joists+R2.0	2.3	Elevated	R2.0	Timber
Bedroom 2	2023 - Alpha panel 35mm+Timber Joists+R2.0	15.7	Enclosed	R2.0	Timber



Bedroom 2	2023 - Alpha panel 35mm+Timber Joists+R2.0	11.2	Elevated	R2.0	Timber
Bedroom 3	2023 - Alpha panel 35mm+Timber Joists+R2.0	16.7	Enclosed	R2.0	Timber
bath	2023 - Alpha panel 35mm+Timber Joists+R2.0	7.5	Enclosed	R2.0	Tiles
hallway and stairs FF	2023 - Alpha panel 35mm+Timber Joists+R2.0	22	Enclosed	R2.0	Timber
study/media	2023 - Alpha panel 35mm+Timber Joists+R2.0	17.5	Enclosed	R2.0	Timber

Ceiling type

Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
Garage	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
Garage	Plasterboard	R6.5	Yes
BATH	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
BATH	Plasterboard	R6.5	Yes
LAUNDRY	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
LAUNDRY	Plasterboard	R6.5	Yes
GUEST Bedroom 1	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
PANTRY	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
ENTRY HALLWAY STAIR GF	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
Kitchen/Living /Dining	2023 - Alpha panel 35mm+Timber Joists+R2.0	R2.0	No
Kitchen/Living /Dining	Plasterboard	R6.5	Yes
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

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7 2 Sta	r Rating	as	of 17	Jul	2025
1.2 Ola	i i tauiig	as	O1 1 <i>1</i>	Jui	2020

A	PA
HC	DUSE

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
BATH	1	Exhaust Fans	180	180	Sealed
GUEST Bedroom 1	5	Downlights	0	0	Sealed
PANTRY	2	Downlights	0	0	Sealed
ENTRY HALLWAY STAIR GF	11	Downlights	0	0	Sealed
Kitchen/Living /Dining	23	Downlights	0	0	Sealed
Kitchen/Living /Dining	1	Exhaust Fans	180	180	Sealed
M. Bedroom	10	Downlights	0	0	Sealed
ENS	1	Exhaust Fans	180	180	Sealed
WIR	2	Downlights	0	0	Sealed
Bedroom 2	11	Downlights	0	0	Sealed
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

Roof type

	Added insulation	า		
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

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7.2 Star Rating as of 17 Jul 2025

NATIONWIDE HOUSE

Appliance/ system type Location Fuel type Minimum efficiency/ Recommended capacity

No Whole of Home performance assessment conducted for this certificate.

Heating system

Appliance/ system type Location Fuel type performance capacity

No Whole of Home performance assessment conducted for this certificate.

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

Appliance/ system type

Minimum efficiency/
Performance capacity

Recommended 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.

HÖÜSE

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

AFRC Assessed floor area the are Ceiling penetrations fees are Conditioned a circular circula	ne 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 rea in the design documents. Australian Fenestration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Australian Fenestration to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts. Australian advelling that is expected to require heating and cooling based on standard occupancy assumptions. In some irroumstances it will include garages. The formance of performance of per
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Entrance door the control of the con	BCB Housing Provisions Standard). nese signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilate orridor in a Class 2 building. errain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors). errain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farmland with cattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).
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suburban Exposure category – te protected Horizontal shading feature production Code th (NCC) Class 4	projection with numerous, closely appead chargetions below 10m a.g. suburban beyoing, beautily vegetated by bland gross
Exposure category – te protected Horizontal shading feature pr up National Construction Code th (NCC) Class 4	errain with numerous, closely spaced obstructions below forme.g. suburban housing, heavily vegetated businand areas.
protected Horizontal shading feature properties of the National Construction Code (NCC) Class 4	
Horizontal shading feature property of the National Construction Code (NCC) Class 4	errain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
National Construction Code (NCC) Class 4	
(NCC) Class 4	rovides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from pper levels.
Net zero home a	ne NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or buildings and attached Class 10a buildings. Definitions can be found at www.abcb.gov.au.
	home that achieves a net zero energy value*.
Opening percentage th	ne openability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.
pr	n assumed value that does not represent an actual value. For example, if the wall colour is unspecified in the documentation, a rovisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Technical Note and can e found at www.nathers.gov.au
	nis is the capacity or size of equipment that is recommended by NatHERS to achieve the desired comfort conditions in the zone or ones serviced. This is a recommendation and the final selection sizing should be confirmed by a suitably qualified person.
	an be applied to walls, roofs and ceilings. When combined with an appropriate air gap and emissivity value, it provides insulative roperties.
	or 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, nd generally does not have a diffuser.
Shading features in	cludes neighbouring buildings, fences, and wing walls, but excludes eaves.
<u> </u>	ne fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently eleased 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 fo lights)	or NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.

F411GVBA2C NatHERS Certificate

7.2 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)