Nationwide House Energy Rating Scheme[®] NatHERS[®] Certificate No. 0011876653

Generated on 22 Apr 2025 using BERS Pro v5.2.4 (3.23)

Property

Address

Lot/DP NCC class Floor/all Floors Type

48 Appletree Street, WINGHAM , NSW , 2429 Lot 6 DP 244578 1a G of 2 floors New Home

Plans

Main plan Prepared by

Tim Cross Building Design and Drafting

Construction and environment

Assessed floor area [m2]*

Conditioned* 118.6 Unconditioned* 44.4 Total 241.9 Garage 78.9

Exposure type Suburban NatHERS climate zone 15 Williamtown



Accredited assessor

Leanne Houseman Name **Business name** Concept Designs Australia Email leanne.cdaus@outlook.com Phone 0408864184 Accreditation No. 10137 Assessor Accrediting Organisation HFRA **Declaration of interest**

Declaration completed: no conflicts

NCC Requirements

NCC provisions Strate/Territory variation Volume Two

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.

* Refer to glossary Generated on 22 Apr 2025 using BERS Pro v5.2.4 (3.23) for 48 Appletree Street, WINGHAM, NSW, 2429

Thermal performance Star rating

The more stars the more energy efficient

NATIONWIDE

50.0 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	37.2	12.7
Load limits	N/A	N/A

Features determining load limits

Floor Type	0000
(lowest conditioned area)	CSOG
NCC climate zone 1 or 2	No
Outdoor living area	No
Outdoor living area ceiling fan	No

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 hstar.com.au/QR/Generate? p=pEtwgwKTa When using either link, ensure you are visiting hstar.com.au





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 Standard 2022: NatHERS heating and cooling load limits* 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:
 - ICC Climate Zone 1 of
 - 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

Energy use



Greenhouse gas emissions

No Whole of Home performance assessment conducted for this certificate

Cost



7.1 Star Rating as of 22 Apr 2025

Certificate check	Approva	I Stage	Constru Stage	ction	HOUSE
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	Builder checked	Consent Authority Surveyor checked	Occupancy/Other
Note: The boxes indicate when and by whom each item should be checked. It is not mandatory to complete this checklist.	Asses	Conse Surve)	Builde	Conse Surve)	Occup
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 '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					
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 what is shown					

7.1 Star Rating as of 22 Apr 2025

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	Approva	I Stage	Constru Stage	ction	
Certificate check	Assessor checked	Consent Authority/ Surveyor checked	Builder checked	Consent Authority Surveyor checked	Occupancy/Other
	Assesso	Consen	Builder	Consent Surveyo	Occupa
Additional NCC requirements for thermal performance (not inclu-	uded in t	he NatHE	RS asse	ssment)	
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 Hom	e performa	ance asses	ssment is r	not conduc	ted)
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	assessi	ment)		
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. Additional requirements that must also be satisfied 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

Vapour barrier to be added to external wall insulation.



Room schedule

Room	Zone Type	Area [m ²]
Garage	Garage	78.91
Foyer	Daytime	13.87
Store	Unconditioned	37.07
WC	Unconditioned	2.11
Kitchen/Living	Kitchen/Living	40.4
Stair	Daytime	5.85
Hall	Daytime	6.96
Bath	Unconditioned	5.18
Vanity	Daytime	3.84
WC	Daytime	1.38
Bedroom 1	Bedroom	18.6
WIP	Nighttime	4.47
Ensuite	Nighttime	3.96
Bedroom 2	Bedroom	13.1
Bedroom 3	Bedroom	12.99

Window and glazed door type and performance

Default windows*

Window ID	Window	Maximum	SHGC*	Substitution to	lerance ranges
Willdow ID	Description	U-value*	51160	SHGC lower limit	SHGC upper limit
No Data Availa	able				

Custom windows*

Window ID	Window	Maximum	SHGC*	Substitution to	lerance ranges
WINdow ID	Description	U-value*	3160	SHGC lower limit	SHGC upper limit
CAP-030-001	Aluminium Sliding Window SG 4Clr	6.5	0.75	0.71	0.78
CAP-504-004	Aluminium Hinged Door SG 6Clr	5.9	0.57	0.54	0.60
CAP-126-002	Aluminium Sliding Door SG 6Clr	6.0	0.69	0.66	0.73
CAP-126-004	Aluminium Sliding Door SG 6ET	4.2	0.59	0.56	0.62
CAP-032-001	Aluminium Awning Window SG 4Clr	6.5	0.66	0.62	0.69

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Garage	CAP-030-001-001	W15	900	1200	Sliding	45	S	No
Garage	CAP-030-001-001	W14	900	1200	Sliding	45	E	No
Garage	CAP-030-001-001	W13	900	1200	Sliding	45	E	No
Foyer	CAP-504-004-001	W2	2100	820	Casement	90	Ν	No
Store	CAP-126-002-001	W11	2100	1800	Sliding	45	S	No
Store	CAP-030-001-001	W12	900	1200	Sliding	45	W	No
WC	CAP-030-001-001	W1	600	600	Sliding	45	W	No
Kitchen/Living	CAP-126-004-001	W4	2100	2100	Sliding	45	S	No
Kitchen/Living	CAP-032-001-001	W9	1800	600	Awning	10	W	No
Kitchen/Living	CAP-032-001-001	W10	1800	600	Sliding	10	W	No
Kitchen/Living	CAP-126-004-001	W5	2100	2100	Sliding	45	Ν	No
Kitchen/Living	CAP-030-001-001	W16	1000	1600	Sliding	45	Ν	No
Stair	CAP-032-001-001	W8	1800	600	Awning	60	S	No
Bath	CAP-030-001-001	W18	600	1200	Sliding	45	S	No
Bedroom 1	CAP-030-001-001	W17	1200	2700	Sliding	10	S	No
Bedroom 1	CAP-126-002-001	W3	2100	1800	Sliding	45	W	No
Bedroom 2	CAP-126-002-001	W7	2100	1800	Sliding	45	Ν	No
Bedroom 3	CAP-126-002-001	W6	2100	1800	Sliding	45	Ν	No

Roof window* type and performance value

Default roof windows*

Window ID	Window	Maximum	SHGC*	Substitution tolerance ranges			
window iD	Description	U-value*	3660	SHGC lower limit	SHGC upper limit		
No Data Availa	able						
Custom roof w	vindows*						
Custom roof w Window ID	vindows* Window	Maximum	SHGC*	Substitution to	lerance ranges		





Roof window* schedule

Location	Window ID	Window no.	Opening %	Height [mm]	Width [mm]	Orientation	Outdoor shade	Indoor shade
No Data Ava	ailable							

Skylight* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
No Data Available		

Skylight* schedule

Location	Skylight ID	Skylight No.	Skylight shaft length [mm]	Area [m ²]	Outdoor shade	Diffuser
No Data Available						

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Garage	2200	5400	90	Ν

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
EW-1	Concrete Block	0.30		No insulation	No
EW-2	Concrete Block, Lined Timber Stud Frame	0.30		Bulk Insulation R1.1	No
EW-3	Fibro Timber Stud Frame Panel Direct Fix	0.30		Bulk Insulation R2.5	No

External wall schedule

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Garage	EW-1	2400	5500	S	0	No
Garage	EW-1	2401	4005	S	1000	No
Garage	EW-1	2400	1600	W	6300	No
Garage	EW-1	2400	7200	Ν	1500	No
Garage	EW-1	2400	10300	Е	0	No
Foyer	EW-2	2400	2290	Ν	3100	No

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Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Store	EW-1	2400	3805	S	1000	No
Store	EW-1	2400	9195	W	0	No
Store	EW-1	2400	1895	Ν	1500	No
Store	EW-1	2400	1600	E	9600	No
WC	EW-1	2400	1095	W	0	No
WC	EW-1	2400	1995	Ν	1500	No
Kitchen/Living	EW-3	2400	3995	S	3100	Yes
Kitchen/Living	EW-3	2400	7900	W	700	No
Kitchen/Living	EW-3	2400	6095	Ν	700	No
Stair	EW-3	2400	2090	S	3100	Yes
Bath	EW-3	2400	1990	S	3100	Yes
Bedroom 1	EW-3	2400	3295	E	700	No
Bedroom 1	EW-3	2400	5400	S	700	No
Bedroom 1	EW-3	2400	2395	W	8800	Yes
WIP	EW-3	2400	1790	E	700	No
Ensuite	EW-3	2400	1590	E	700	No
Bedroom 2	EW-3	2400	3695	Ν	700	No
Bedroom 2	EW-3	2400	3595	E	700	No
Bedroom 3	EW-3	2400	3690	Ν	700	No

Internal wall type

Wall ID	Wall type	Area [m ²]	Bulk insulation
IW-001	Concrete Block	0.00	No insulation
IW-002	TimberStud Frame, Brick Veneer	30.24	Bulk Insulation, No Air Gap R1.1
IW-003	Timber Stud Frame, Direct Fix Plasterboard	118.56	No insulation

Floor type

Location	Construction	Area [m ²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Garage	Suspended Concrete Slab 150mm	78.91	Enclosed	No Insulation	Bare

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7.1 Star Rating as of 22 Apr 2025



Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering	
Foyer	Suspended Concrete Slab 150mm	13.87	Enclosed	Bulk Insulation in Contact with Floor R2	Bare	
Store	Suspended Concrete Slab 150mm	37.07	Enclosed	No Insulation	Bare	
WC	Suspended Concrete Slab 150mm	2.11	Enclosed	No Insulation	Ceramic Tiles 8mm	
Kitchen/Living / Foyer	Concrete Timber Framed Above Plasterboard 150mm	6.06		No Insulation	Bare	
Kitchen/Living / Store	Concrete Timber Framed Above Plasterboard 150mm	28.31		Bulk Insulation R2	Bare	
Kitchen/Living / WC	Concrete Timber Framed Above Plasterboard 150mm	1.90		Bulk Insulation R2	Bare	
Kitchen/Living	Suspended Concrete Slab 150mm	3.23	Totally Open	Bulk Insulation in Contact with Floor R2	Bare	
Stair / Foyer	Concrete Timber Framed Above Plasterboard 150mm	0.45		No Insulation	Bare	
Hall / Garage	Concrete Timber Framed Above Plasterboard 150mm	5.23		Bulk Insulation R2	Bare	
Hall / Foyer	Concrete Timber Framed Above Plasterboard 150mm	1.28		No Insulation	Bare	
Bath / Garage	Concrete Timber Framed Above Plasterboard 150mm	4.64		Bulk Insulation R2	Ceramic Tiles 8mm	
Bath / Foyer	Concrete Timber Framed Above Plasterboard 150mm	0.32		No Insulation	Ceramic Tiles 8mm	
Vanity / Garage	Concrete Timber Framed Above Plasterboard 150mm	3.84		Bulk Insulation R2	Ceramic Tiles 8mm	
WC / Garage	Concrete Timber Framed Above Plasterboard 150mm	1.38		Bulk Insulation R2	Ceramic Tiles 8mm	
Bedroom 1 / Garage	Concrete Timber Framed Above Plasterboard 150mm	18.60		Bulk Insulation R2	Bare	
WIP / Garage	Concrete Timber Framed Above Plasterboard 150mm	4.47		Bulk Insulation R2	Bare	

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Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Ensuite / Garage	Concrete Timber Framed Above Plasterboard 150mm	3.96		Bulk Insulation R2	Ceramic Tiles 8mm
Bedroom 2 / Garage	Concrete Timber Framed Above Plasterboard 150mm	13.10		Bulk Insulation R2	Bare
Bedroom 3 / Garage	Concrete Timber Framed Above Plasterboard 150mm	12.27		Bulk Insulation R2	Bare

Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap* [yes/no]
Garage	Concrete, Plasterboard with Timber Frame	Bulk Insulation R2	
Garage	Concrete Timber Framed Above Plasterboard	Bulk Insulation R2	
Foyer	Concrete, Plasterboard with Timber Frame	Bulk Insulation R1	
Foyer	Concrete Timber Framed Above Plasterboard	No Insulation	
Store	Concrete, Plasterboard with Timber Frame	Bulk Insulation R2	
Store	Concrete Timber Framed Above Plasterboard	Bulk Insulation R2	
WC	Concrete, Plasterboard with Timber Frame	Bulk Insulation R1	
WC	Concrete Timber Framed Above Plasterboard	Bulk Insulation R2	
Kitchen/Living	Plasterboard on Timber	Bulk Insulation R4	
Stair	Plasterboard on Timber	Bulk Insulation R4	
Hall	Plasterboard on Timber	Bulk Insulation R4	
Bath	Plasterboard on Timber	Bulk Insulation R4	
Vanity	Plasterboard on Timber	Bulk Insulation R4	
WC	Plasterboard on Timber	Bulk Insulation R4	
Bedroom 1	Plasterboard on Timber	Bulk Insulation R4	
WIP	Plasterboard on Timber	Bulk Insulation R4	
Ensuite	Plasterboard on Timber	Bulk Insulation R4	
Bedroom 2	Plasterboard on Timber	Bulk Insulation R4	
Bedroom 3	Plasterboard on Timber	Bulk Insulation R4	



Ceiling penetrations*

Location	Quantity	Туре	Diameter [mm]	Sealed/unsealed	
Garage	4	Downlights - LED	100	Sealed	
Foyer	2	Downlights - LED	100	Sealed	
Store	4	Downlights - LED	100	Sealed	
WC	1	Downlights - LED	100	Sealed	
Kitchen/Living	9	Downlights - LED	100	Sealed	
Stair	1	Downlights - LED	100	Sealed	
Hall	2	Downlights - LED	100	Sealed	
Bath	1	Exhaust Fans	300	Sealed	
Vanity	2	Downlights - LED	100	Sealed	
WC	1	Downlights - LED	100	Sealed	
Bedroom 1	4	Downlights - LED	100	Sealed	
WIP	1	Downlights - LED	100	Sealed	
Ensuite	1	Exhaust Fans	300	Sealed	

Ceiling fans

Location	Quantity	Diameter [mm]
Kitchen/Living	1	1200
Bedroom 1	1	1200
Bedroom 2	1	1200
Bedroom 3	1	1200

Roof type

Construction	Added insulation [R-value]	Solar absorptance	Roof shade [colour]
Waterproofing Membrane	No Added Insulation, No air Gap	0.50	Medium
Corrugated Iron Timber Frame	Bulk, Reflective Side Down, No Air Gap Above R1.5	0.50	Medium

Thermal bridging schedule for steel frame elements

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



Assessed

daily load

[litres]

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 Recommended Appliance/ system type Location Fuel type efficiency/ capacity performance No Data Available Heating system Minimum Recommended Appliance/ system type Location Fuel type efficiency/ capacity performance No Data Available Hot water system **Zone 3 Substitution** Hot Minimum Zone 3 Water tolerance ranges Appliance/ system type Fuel type efficiency STC **CER Zone** upper limit /STC lower limit No Data Available Pool/spa equipment Minimum Recommended Appliance/ system type Fuel type efficiency/ capacity performance No Data Available

Onsite Renewable Energy Schedule

System Type	Orientation	System Size Or Generation Capacity
No Data Available		

Battery Schedule

System Type	Size [Battery Storage Capacity]	
No Data Available		



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. Assessed floor area the floor area in the design documents. For 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 with shall holes through the ceiling for wining, e.g. ceiling fans: pendant lights, and conditioned Correction of the ceiling with shall holes through the ceiling and cooling based on standard occupancy assumptions. In some circumstances will include graphs. Conditioned a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances will include graphs. Custom windows windows that are representative of a specific type of window product and whose properties have been derived by statistical methods. EFR Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single KWh of electricity input sour homes rating without solar or batteride. Entrance door these singlify verifiation benefits in the modelling lost on thinding of post winding. Exposure category – exposed terrain with numerous, closely paced obstructions below 10m equit destandard). Entrance door terrain with numerous, closely paced obstructions below 10m, equit destandard). Entrance door terrain with numerous, closely paced obstru	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. Geiling penetrations Features that require a penetration to the colling, including downlights, write, exhaust fans, range hoods, chimreys and flues. Excludes fluxes attached to the celling with mall holes inhough the caling for wiring, e.g. celling fans, panetration to the celling with mall holes inhough the caling for wiring, e.g. celling fans, panetration to the celling with mall holes inhough the caling for wiring, e.g. celling fans, panetration to the celling with mall holes inhough the caling for wiring, e.g. celling fans, panetration to the celling with mall holes inhough the caling for wiring e.g. celling fans, panetration to the celling with mall the software that are available on the market in Australia and have a WERS (Window Energy Rating Schemer) rating. Default windows mirrors. mirrors. mirrors. mirrors. EER Energy value The is your homes rating without solar or batteries. mirrors. mirrors. mirrors. Energy value The net cost to society including the modelling user, the environment and energy networks (as defined in the ABCB Housing Provisions Standard). mirrors. mirrors. mirrors. Exposure category - potent see exposure categories below. exposure fanse with no obstructions e.g. fit grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors). terrain with numerous, closely spaced obstructions vor		
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