Nationwide House Energy Rating Scheme[®] NatHERS[®] Certificate No. 17NSUNJSKM-01

Generated on 9 Oct 2024 using FirstRate5: 5.5.5a (3.22)

Property

Address

Lot/DP NCC Class* Floor/all Floors Type 32 Garfield Avenue, Goulburn, NSW, 2580 3/26033 Class 1a New Home

Plans

Main plan Prepared by SS24.142.2 Issue B/11.09.2024 Straightline Studio Co

Construction and environment

Assessed floor area [m²]* Conditioned* 51.2 Unconditioned* 4.8 Total 56 Garage - Exposure type suburban NatHERS climate zone 24 Canberra Airport

Accredited assessor

NameMillard PerezBusiness nameThermperformEmailmillard@thermperform.com.auPhone+61402366704Accreditation No.101510Assessor Accrediting OrganisationABSADeclaration of interestNo

NCC Requirements

NCC provisions State/Territory variation Volume 2 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



NATIONWIDE HOUSE ENERGY RATING SCHEME

R

121.5 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	95.5	26							
Load limits	N/A	N/A							
Features determining load limits									
Elect type									

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=17NSUNJSKM -01 When using either link, ensure you are visiting www.fr5.com.au.



*Refer to glossary.

Generated on 9 Oct 2024 using FirstRate5: 5.5.5a (3.22) for 3/26033, 32 Garfield Avenue, Goulburn, NSW, 2580

17NSUNJSKM-01 NatHERS Certificate

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

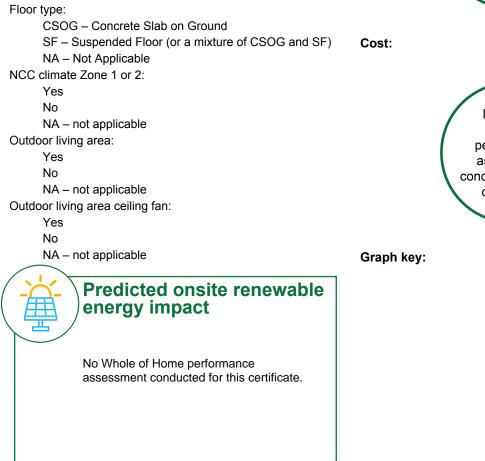
NatHERS Whole of Home software uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pool/spa pump and onsite renewable energy generation and storage) and models the expected energy value* of the whole home. The 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:



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:



Greenhouse gas emissions:

No Whole of Home performance assessment conducted for this certificate. st: No Whole of Home performance assessment conducted for this certificate.

*Refer to glossary.



Certificate check	Approval	stage	Construc stage	tion	
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 who should check each item. It is not mandatory to complete this checklist.	Assess	Conser surveyo	Builder	Conser surveyo	Occupa
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			1		
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 <i>Window and glazed door</i> <i>schedule</i> ' and <i>'Roof window schedule'</i> tables on this Certificate?					
Does the installed windows meet the substitution tolerances (AFRC* based SHGC* and U-values*) as shown in the <i>Window and glazed door type and performance</i> ' and <i>'Roof window type and performance</i> ' 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*					
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		1			
Does the ceiling insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the ' <i>Ceiling type</i> ' 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 ' <i>Roof type</i> ' 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 perf	ormance a	ssessment	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 ' <i>Appliance schedule</i> ' 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 ' <i>Appliance schedule</i> ' 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 ' <i>Appliance schedule</i> ' 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. 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

Number of downlights have been assumed.

Existing dwelling height assumed.



Room schedule

Room	Zone Type	Area [m²]
Kitchen/Dining/Living/Laundry	kitchen	40.8
Bathroom	unconditioned	4.8
Bed 1	bedroom	10.4

Window and glazed door type and performance

Default* windows

Window ID		Maximum U-value*	SHGC*	Substitution tolerance ranges		
	Window description			SHGC lower limit	SHGC upper limit	
No Data Availab	le					
Custom* window	S			Substitution to	lerance ranges	

Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
BRD-113_19 A	ESS Awning 52 DG 4mmET_12Ar_4mmET	3.31	0.44	0.42	0.46
BRD-035-44 A	SIG Sliding Door (100mm) DG 6mmEnTech_8Ar_4mmClr	2.99	0.54	0.51	0.57
BRD-066-10 A	SIG Sliding Window (67mm) DG 4ET-12Ar-4	3.15	0.53	0.5	0.56
BRD-125-10 A	ESS Fixed Window External 52 Comm DG 6mmET_12Ar_6mmET	2.03	0.51	0.48	0.54
BRD-001-37 A	ESS Sliding Window (52mm) SG 4mmClr	6.38	0.74	0.7	0.78

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	shading device*
Kitchen/Dining/- Living/Laundry	BRD-113_19 A	12-09 AAW (W3)	1200	850	awning	90.0	W	No
Kitchen/Dining/- Living/Laundry	BRD-113_19 A	18-18 ASW (W2)	1800	1810	awning	30.0	W	No
Kitchen/Dining/- Living/Laundry	BRD-035-44 A	24-24 ASD (D1)	2400	2410	sliding	45.0	S	No
Kitchen/Dining/- Living/Laundry	BRD-066-10 A	12-18 ASW (W1)	1200	1810	sliding	45.0	S	No
Kitchen/Dining/- Living/Laundry	BRD-125-10 A	04-18 AFW (Highlight)	400	1810	fixed	0.0	Ν	No
Kitchen/Dining/- Living/Laundry	BRD-125-10 A	04-18 AFW (Highlight)	400	1810	fixed	0.0	Ν	No

17NSUNJSKM-01 NatHERS Certificate						7 Star Rati	ng as c	of 9 Oct 2024
Kitchen/Dining/- Living/Laundry	BRD-125-10 A	04-18 AFW (Highlight)	400	1810	fixed	0.0	Ν	No
Bathroom	BRD-001-37 A	08-06 ASW (W4)	772	610	sliding	45.0	N	No
Bed 1	BRD-066-10 A	12-18 ASW (W1)	1200	1810	sliding	45.0	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*	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 Avail	lable							

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 [m²]	Orient- ation	Outdoor shade	Diffuser
No Data							
Available							

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Kitchen/Dining/Living/Laund- ry	2400	820	100.0	W

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
1	TP-CLD - Lightweight	0.5	Medium	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)	No



External wall schedule

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature* (yes/no)
Kitchen/Dining/Living/Lau- ndry	1	2750	2914	W	441	Yes
Kitchen/Dining/Living/Lau- ndry	1	3457	2905	W	441	Yes
Kitchen/Dining/Living/Lau- ndry	1	3200	9822	S	541	No
Kitchen/Dining/Living/Lau- ndry	1	700	9822	Ν	450	No
Kitchen/Dining/Living/Lau- ndry	1	3457	2863	E	441	Yes
Kitchen/Dining/Living/Lau- ndry	1	2750	3887	Ν	529	Yes
Bathroom	1	2750	2142	N	529	Yes
Bed 1	1	2750	2863	E	441	Yes
Bed 1	1	2750	3616	Ν	529	Yes

Internal wall type

Wall ID	Wall type	Area [m ²]	Bulk insulation
1	FR5 - Internal Plasterboard Stud Wall	21.8	Glass fibre batt: R1.5 (R1.5)
2	FR5 - Internal Plasterboard Stud Wall	12.8	

Floor type

			Sub-floor	Added insulat	ion
Location	Construction	Area [m ²]	ventilation	[R-value]	Covering
Kitchen/Dining/L- iving/Laundry	TPM - CSOG: Slab on Ground	1.2	Enclosed	R2.3	Timber
Kitchen/Dining/L- iving/Laundry	TPM - CSOG: Slab on Ground	1.1	Enclosed	R2.3	Tiles
Kitchen/Dining/L- iving/Laundry	TPM - CSOG: Slab on Ground	1.3	Enclosed	R2.3	Timber
Kitchen/Dining/L- iving/Laundry	TPM - CSOG: Slab on Ground	8.9	Enclosed	R2.3	Timber
Kitchen/Dining/L- iving/Laundry	TPM - CSOG: Slab on Ground	3.5	Enclosed	R2.3	Timber
Kitchen/Dining/L- iving/Laundry	TPM - CSOG: Slab on Ground	24.7	Enclosed	R2.3	Timber
Bathroom	TPM - CSOG: Slab on Ground	4.1	Enclosed	R2.3	Tiles
Bathroom	TPM - CSOG: Slab on Ground	0.7	Enclosed	R2.3	Tiles

17NSUNJSKM-01 NatHERS Certificate

7 Star Rating as of 9 Oct 2024



Bed 1	TPM - CSOG: Slab on Ground	1.2	Enclosed	R2.3	Carpet
Bed 1	TPM - CSOG: Slab on Ground	9.1	Enclosed	R2.3	Carpet

Ceiling type

Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
Kitchen/Dining/L- iving/Laundry	Plasterboard	R7.3	No
Kitchen/Dining/L- iving/Laundry	Plasterboard	R7.3	No
Kitchen/Dining/L- iving/Laundry	Plasterboard	R4.3	No
Kitchen/Dining/L- iving/Laundry	Plasterboard	R7.3	No
Kitchen/Dining/L- iving/Laundry	Plasterboard	R4.3	No
Kitchen/Dining/L- iving/Laundry	Plasterboard	R7.3	No
Bathroom	Plasterboard	R7.3	No
Bathroom	Plasterboard	R4.3	No
Bed 1	Plasterboard	R4.3	No
Bed 1	Plasterboard	R7.3	No

Ceiling penetrations*

		Height	Width	
Quantity	Туре	[mm]	[mm]	Sealed/unsealed
17	Downlights	90	90	Sealed
1	Exhaust Fans	250	250	Unsealed
1	Exhaust Fans	250	250	Sealed
1	Downlights	90	90	Sealed
4	Downlights	90	90	Sealed
	17 1 1 1 1	17Downlights1Exhaust Fans1Exhaust Fans1Downlights	QuantityType[mm]17Downlights901Exhaust Fans2501Exhaust Fans2501Downlights90	QuantityType[mm]17Downlights901Exhaust Fans2501Exhaust Fans2501Downlights901Downlights90

Ceiling fans

Location	Quantity	Diameter [mm]
No Data Available		

Roof type

	Added insulation				
Construction	[R-value]	Solar absorptance	Roof shade [colour]		
Framed:Flat - Flat Framed (Metal Deck)	0.0	0.5	Medium		

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]

HOUSE

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.

			Minimum efficiency/	Recommended
Appliance/ system type	Location	Fuel type	performance	capacity
No Whole of Home perform	ance assessment	conducted for this certific	ate.	
Heating system				
			Minimum efficiency/ Recommended	
Appliance/ system type	Location	Fuel type	performance	capacity
No Whole of Home perform	ance assessment	conducted for this certific	ate.	
Hot water system				
		Minimum		
		efficiency/	Hot Water CER	Assessed daily
Appliance/ system type	Fuel type	performance	Zone Zone 3 S	TC load
No Whole of Home perform	ance assessment	conducted for this certific	ate.	
Pool/spa equipment				
Pool/spa equipment			Minimum efficiency/	Recommended
		Fuel type		Recommended capacity
Appliance/ system type	ance assessment		Minimum efficiency/ performance	
Appliance/ system type No Whole of Home perform		conducted for this certific	Minimum efficiency/ performance	
Appliance/ system type No Whole of Home perform		conducted for this certific	Minimum efficiency/ performance	
Appliance/ system type No Whole of Home perform Onsite renewable	energy sche	conducted for this certific	Minimum efficiency/ performance	
Appliance/ system type No Whole of Home perform Onsite renewable (not applicable if a Whole of	energy sche	conducted for this certific	Minimum efficiency/ performance ate.	capacity
Onsite renewable	energy <i>sche</i> of Home performa	conducted for this certific COULC ance assessment is not Orientation	Minimum efficiency/ performance ate. conducted for this certificate) System size or gener	capacity
Appliance/ system type No Whole of Home perform Onsite renewable (not applicable if a Whole of System type No Whole of Home perform	energy <i>sche</i> of Home performa	conducted for this certific COULC ance assessment is not Orientation	Minimum efficiency/ performance ate. conducted for this certificate) System size or gener	capacity
Appliance/ system type No Whole of Home perform Onsite renewable (not applicable if a Whole of System type No Whole of Home perform Battery schedule	energy scho of Home performa ance assessment	conducted for this certific edule ance assessment is not Orientation conducted for this certific	Minimum efficiency/ performance ate. conducted for this certificate) System size or gener ate.	capacity
Appliance/ system type No Whole of Home perform Onsite renewable (not applicable if a Whole of System type No Whole of Home perform Battery schedule	energy scho of Home performa ance assessment	conducted for this certific edule ance assessment is not Orientation conducted for this certific	Minimum efficiency/ performance ate. conducted for this certificate) System size or gener	capacity ation capacity

No Whole of Home performance assessment conducted for this certificate.

7 Star Rating as of 9 Oct 2024



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

cicceaij	
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.
СОР	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 –	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
suburban	
Exposure category –	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
protected	
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	the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or 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	can be applied to walls, roofs and ceilings. When combined with an appropriate air gap and emissivity value, it provides insulative
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.

*Refer to glossary.

17NSUNJSKM-01 NatHERS

7 Star Rating as of 9 Oct 2024

