

Nationwide House Energy Rating Scheme

NatHERS Certificate No. 0007456239-01

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Property

Address 13 Cheryl Cres , NEWPORT , NSW ,
2106

Lot/DP 6/218250

NCC Class* 1A

Type New Dwelling

Plans

Main Plan 80268

Prepared by Allura

Construction and environment

Assessed floor area (m²*)	Exposure Type
Conditioned* 246.0	Suburban
Unconditioned* 86.0	NatHERS climate zone
Total 332.0	56
Garage 57.0	



Accredited assessor

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Assessor Accrediting Organisation
ABSA

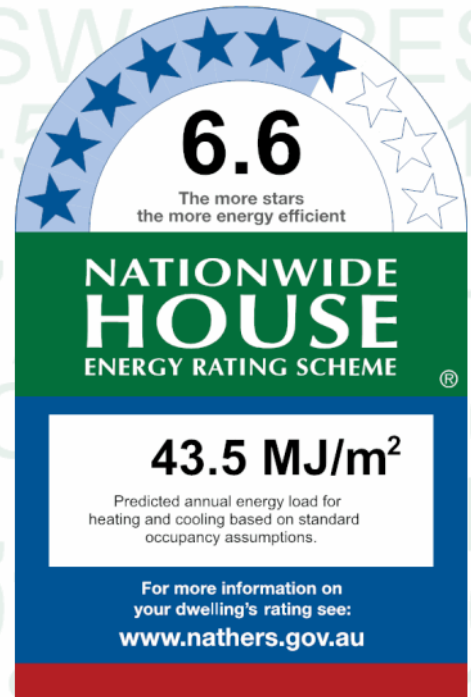
Declaration of interest Declaration completed: no conflicts

National Construction Code (NCC) requirements

The NCC's requirements for NatHERS-rated houses are detailed in 3.12.0(a)(i) and 3.12.5 of the NCC Volume Two. For apartments the requirements are detailed in J0.2 and J5 to J8 of the NCC Volume One.

In NCC 2019, these requirements include minimum star ratings and separate heating and cooling load limits that need to be met by buildings and apartments through the NatHERS assessment. Requirements additional to the NatHERS assessment that must also be satisfied include, but are not limited to: insulation installation methods, thermal breaks, building sealing, water heating and pumping, and artificial lighting requirements. The NCC and NatHERS Heating and Cooling Load Limits (Australian Building Codes Board Standard) are available at www.abcb.gov.au.

State and territory variations and additions to the NCC may also apply.



Thermal performance

Heating	Cooling
17.5	26.0
MJ/m²	MJ/m²

About the rating

NatHERS software models the expected thermal energy loads using information about the design and construction, climate and common patterns of household use. The software does not take into account appliances, apart from the airflow impacts from ceiling fans.

Verification

To verify this certificate, scan the QR code or visit hstar.com.au/QR/Generate?p=UaQfWdKct. When using either link, ensure you are visiting hstar.com.au



Certificate check

Ensure the dwelling is designed and then built as per the NatHERS Certificate. While you need to check the accuracy of the whole Certificate, the following spot check covers some important items impacting the dwelling's rating.

Genuine certificate

Does this Certificate match the one available at the web address or QR code in the verification box on the front page? Does the set of NatHERS-stamped plans for the dwelling have a Certificate number on the stamp that matches this Certificate?

Ceiling penetrations*

Does the 'number' and 'type' of ceiling penetrations (e.g. downlights, exhaust fans, etc) shown on the stamped plans or installed, match what is shown in this Certificate?

Windows

Does the installed window meet the substitution tolerances (SHGC and U-value) and window type, of the window shown on this Certificate? Substituted values must be based on the Australian Fenestration Rating Council (AFRC) protocol.

Apartment entrance doors

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 level (terrain) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".

Provisional* values

Have provisional values been used in the assessment and, if so, noted in "additional notes" below?

Additional notes

R2.5 to internal walls adjacent to garage

R2.0 to internal walls adjacent to ensuite, PDR, bathrooms and laundry

Window and glazed door *type and performance*

Default* windows

Window ID	Window Description	Maximum U-value*	SHGC*	Substitution tolerance ranges	
				SHGC lower limit	SHGC upper limit
ATB-004-03 B	ATB-004-03 B AI Thermally Broken B DG Air Fill High Solar Gain low-E -Clear	3.1	0.49	0.47	0.51
ATB-003-04 B	ATB-003-04 B AI Thermally Broken A DG Air Fill Low Solar Gain low-E -Clear	3.1	0.27	0.26	0.28
ATB-004-04 B	ATB-004-04 B AI Thermally Broken B DG Air Fill Low Solar Gain low-E -Clear	3.1	0.27	0.26	0.28
ATB-003-01 B	ATB-003-01 B AI Thermally Broken A DG Air Fill Clear-Clear	3.6	0.47	0.45	0.49
ALM-002-01 A	ALM-002-01 A Aluminium B SG Clear	6.7	0.70	0.66	0.73
ATB-004-01 B	ATB-004-01 B AI Thermally Broken B DG Air Fill Clear-Clear	3.6	0.54	0.51	0.57

Custom* windows

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

Window and glazed door *schedule*

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orientation	Window shading device*
Living	ATB-004-03 B	n/a	2700	2400	n/a	45	N	No
Living	ATB-003-04 B	n/a	2700	1210	n/a	30	W	No
Living	ATB-004-04 B	n/a	880	1920	n/a	00	W	No
Kit/Din/Fam/Ent	ATB-004-03 B	n/a	2200	1600	n/a	00	N	No
Kit/Din/Fam/Ent	ATB-004-03 B	n/a	2200	1600	n/a	00	N	No
Kit/Din/Fam/Ent	ATB-004-03 B	n/a	2700	7310	n/a	60	E	No
Laundry	ATB-003-01 B	n/a	1540	1210	n/a	45	W	No
Gym	ATB-004-03 B	n/a	2700	2400	n/a	45	N	No
Gym	ATB-004-03 B	n/a	2300	1130	n/a	00	E	No
Gym	ALM-002-01 A	n/a	2300	1000	n/a	90	E	No
Gym	ALM-002-01 A	n/a	2300	1000	n/a	90	E	No
Guest	ATB-004-03 B	n/a	2400	2680	n/a	60	E	Yes
PDR	ATB-004-01 B	n/a	770	1450	n/a	45	S	No
Ensuite	ATB-004-01 B	n/a	770	1810	n/a	10	N	No
Bedroom 1	ATB-004-03 B	n/a	770	3730	n/a	45	N	No
Bedroom 1	ATB-004-03 B	n/a	2400	3580	n/a	60	E	No
Study	ATB-003-04 B	n/a	1540	1210	n/a	45	W	Yes
Bath 2	ATB-003-01 B	n/a	770	1210	n/a	90	W	No
Bedroom 2	ATB-004-03 B	n/a	2400	2680	n/a	60	E	No
Bedroom 2	ATB-004-03 B	n/a	770	2170	n/a	45	N	No
Bedroom 3	ATB-004-03 B	n/a	2400	2680	n/a	60	E	No
Bedroom 3	ATB-004-03 B	n/a	770	2650	n/a	45	S	No
Bath 1	ATB-004-01 B	n/a	770	2650	n/a	10	S	No
Bedroom 4	ATB-004-03 B	n/a	770	2650	n/a	45	S	No
Bedroom 4	ATB-004-04 B	n/a	2400	2990	n/a	60	W	No
Rumpus	ATB-004-04 B	n/a	3000	1800	n/a	00	W	No
Void	ATB-004-03 B	n/a	2050	4020	n/a	00	E	No

Roof window *type and performance*

Default* roof windows

Window ID	Window Description	Maximum U-value*	SHGC*	Substitution tolerance ranges	
				SHGC lower limit	SHGC upper limit

Default* roof windows

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

Custom* roof windows

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

Roof window schedule

Location	Window ID	Window no.	Opening %	Height (mm)	Width (mm)	Orientation	Outdoor shade	Indoor shade
No Data Available								

Skylight type and performance

Skylight ID	Skylight description
GEN-04-008a	Double-glazed clear, Timber and Aluminium Frame
GEN-04-009a	Double-glazed opal, Timber and Aluminium Frame

Skylight schedule

Location	Skylight ID	Skylight No.	Skylight shaft length (mm)	Area (m ²)	Orientation	Outdoor shade	Diffuser	Skylight shaft reflectance
WIR	GEN-04-008a	n/a	300	0.90	N	None	No	0.50
Rumpus	GEN-04-009a	n/a	300	0.90	N	None	No	0.50
Void	GEN-04-008a	n/a	300	0.90	N	None	No	0.50
Void	GEN-04-008a	n/a	300	0.90	N	None	No	0.50
Void	GEN-04-008a	n/a	300	0.90	N	None	No	0.50
Void	GEN-04-008a	n/a	300	0.90	N	None	No	0.50

External door schedule

Location	Height (mm)	Width (mm)	Opening %	Orientation
Kit/Din/Fam/Ent	2700	1200	90	W
Garage	3000	5565	90	W

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade (colour)	Bulk insulation (R-value)	Reflective wall wrap*
EW-1	Brick Veneer	0.50	Medium	Bulk Insulation R2.5	No

Wall ID	Wall type	Solar absorbance	Wall shade (colour)	Bulk insulation (R-value)	Reflective wall wrap*
EW-2	Single Skin Brick	0.50	Medium	No insulation	No
EW-3	Brick Veneer	0.50	Medium	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)
Living	EW-1	3200	4395	N	0	NO
Living	EW-1	3200	1295	S	11400	YES
Living	EW-1	3200	4400	W	700	NO
Kit/Din/Fam/Ent	EW-1	3200	5595	N	0	NO
Kit/Din/Fam/Ent	EW-1	3200	8950	E	3850	YES
Kit/Din/Fam/Ent	EW-1	3200	945	N	8950	YES
Kit/Din/Fam/Ent	EW-1	3200	1245	W	0	NO
Kit/Din/Fam/Ent	EW-1	3200	1300	N	6800	YES
Kit/Din/Fam/Ent	EW-1	3200	2400	W	2000	YES
Laundry	EW-1	3200	1050	S	4600	YES
Laundry	EW-1	3200	3145	W	0	NO
Gym	EW-1	3200	3495	N	8950	NO
Gym	EW-1	3200	3845	E	250	YES
Guest	EW-1	3200	1200	N	250	YES
Guest	EW-1	3200	4400	E	250	NO
Guest	EW-1	3200	3945	S	0	NO
PDR	EW-1	3200	2040	S	0	NO
Garage	EW-1	3710	1995	S	0	YES
Garage	EW-1	3710	850	E	0	YES
Garage	EW-1	3710	6600	S	0	NO
Garage	EW-2	3710	6845	W	1050	YES
Ensuite	EW-3	2700	2095	N	250	NO
Ensuite	EW-3	2700	4395	W	700	NO
WIR	EW-3	2700	2290	N	250	NO
Bedroom 1	EW-3	2700	4145	N	250	NO
Bedroom 1	EW-3	2700	4495	E	1700	YES
Study	EW-3	2700	2390	W	700	NO
Bath 2	EW-3	2700	1895	W	250	NO
Bath 2	EW-3	2700	1050	S	4600	YES
Bedroom 2	EW-3	2700	3345	E	1650	NO
Bedroom 2	EW-3	2700	2950	N	50	YES
Bedroom 3	EW-3	2700	3245	E	1650	NO
Bedroom 3	EW-3	2700	5545	S	250	NO

Location	Wall ID	Height (mm)	Width (mm)	Orientation	Horizontal shading feature* maximum projection (mm)	Vertical shading feature (yes/no)
Bath 1	EW-3	2700	3090	S	250	NO
Bedroom 4	EW-3	2700	3245	S	250	NO
Bedroom 4	EW-3	2700	4345	W	1300	YES
Rumpus	EW-1	3275	2490	W	250	NO
Void	EW-1	2700	1450	N	4750	YES
Void	EW-1	2700	4445	E	250	YES

Internal wall type

Wall ID	Wall type	Area (m ²)	Bulk insulation
IW-1 - Cavity wall, direct fix plasterboard, single gap		183.00	No insulation
IW-2 - Cavity wall, direct fix plasterboard, single gap		100.00	Bulk Insulation, No Air Gap R2
IW-3 - Cavity wall, direct fix plasterboard, single gap		47.00	Bulk Insulation, No Air Gap R2.5

Floor type

Location	Construction	Area (m ²)	Sub-floor ventilation	Added insulation (R-value)	Covering
Living	Waffle pod slab 225 mm 100mm	17.00	None	Waffle Pod 225mm	Bare
Kit/Din/Fam/Ent	Waffle pod slab 225 mm 100mm	83.00	None	Waffle Pod 225mm	Bare
WIP	Waffle pod slab 225 mm 100mm	4.90	None	Waffle Pod 225mm	Bare
Laundry	Waffle pod slab 225 mm 100mm	8.00	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Gym	Waffle pod slab 225 mm 100mm	13.10	None	Waffle Pod 225mm	Bare
Guest	Waffle pod slab 225 mm 100mm	17.10	None	Waffle Pod 225mm	Bare
PDR	Waffle pod slab 225 mm 100mm	6.30	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Garage	Waffle pod slab 225 mm 100mm	56.60	None	Waffle Pod 225mm	Bare
Ensuite/Living	AAC Above Plasterboard 75mm	8.40		Bulk Insulation R4	Ceramic Tiles 8mm
Ensuite/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	0.50		Bulk Insulation R4	Ceramic Tiles 8mm
WIR/Living	AAC Above Plasterboard 75mm	7.20		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 1/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	18.30		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Study/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	4.20		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Study	Suspended AAC (75mm) 75mm	3.00	Totally Open	Bulk Insulation in Contact with Floor R4	Cork Tiles or Parquetry 8mm
Bath 2/Laundry	AAC Above Plasterboard 75mm	5.50		Bulk Insulation R4	Ceramic Tiles 8mm
Bedroom 2/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	9.00		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 2/Gym	AAC Above Plasterboard 75mm	6.50		Bulk Insulation R4	Carpet+Rubber Underlay 18mm

Location	Construction	Area (m ²)	Sub-floor ventilation	Added insulation (R-value)	Covering
Bedroom 2/Garage	AAC Above Plasterboard 75mm	1.10		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 3/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	2.90		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 3/Gym	AAC Above Plasterboard 75mm	1.00		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 3/Guest	AAC Above Plasterboard 75mm	3.40		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 3/PDR	AAC Above Plasterboard 75mm	3.20		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bedroom 3/Garage	AAC Above Plasterboard 75mm	5.80		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Bath 1/Garage	AAC Above Plasterboard 75mm	9.80		Bulk Insulation R4	Ceramic Tiles 8mm
Bedroom 4/Garage	AAC Above Plasterboard 75mm	13.80		Bulk Insulation R4	Carpet+Rubber Underlay 18mm
Rumpus/Living	AAC Above Plasterboard 75mm	1.00		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Rumpus/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	9.50		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Rumpus/WIP	AAC Above Plasterboard 75mm	2.60		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Rumpus/Laundry	AAC Above Plasterboard 75mm	2.40		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Rumpus/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	6.60		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Rumpus/WIP	AAC Above Plasterboard 75mm	2.40		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Rumpus/Garage	AAC Above Plasterboard 75mm	5.60		Bulk Insulation R4	Cork Tiles or Parquetry 8mm
Void/Kit/Din/Fam/Ent	AAC Above Plasterboard 75mm	24.30		Bulk Insulation R4	Bare

Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
Living	AAC Above Plasterboard	Bulk Insulation R4	No
Kit/Din/Fam/Ent	Plasterboard	Bulk Insulation R4	No
Kit/Din/Fam/Ent	AAC Above Plasterboard	Bulk Insulation R4	No
WIP	AAC Above Plasterboard	Bulk Insulation R4	No
Laundry	AAC Above Plasterboard	Bulk Insulation R4	No
Gym	Plasterboard	Bulk Insulation R4	No
Gym	AAC Above Plasterboard	Bulk Insulation R4	No
Guest	Plasterboard	Bulk Insulation R4	No
Guest	AAC Above Plasterboard	Bulk Insulation R4	No
PDR	Plasterboard	Bulk Insulation R4	No
PDR	AAC Above Plasterboard	Bulk Insulation R4	No
Garage	Plasterboard	Bulk Insulation R4	No
Garage	AAC Above Plasterboard	Bulk Insulation R4	No
Ensuite	Plasterboard	Bulk Insulation R4	No

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
WIR	Plasterboard	Bulk Insulation R4	No
Bedroom 1	Plasterboard	Bulk Insulation R4	No
Study	Plasterboard	Bulk Insulation R4	No
Bath 2	Plasterboard	Bulk Insulation R4	No
Bedroom 2	Plasterboard	Bulk Insulation R4	No
Bedroom 3	Plasterboard	Bulk Insulation R4	No
Bath 1	Plasterboard	Bulk Insulation R4	No
Bedroom 4	Plasterboard	Bulk Insulation R4	No
Rumpus	Plasterboard	Bulk Insulation R4	No
Rumpus	Plasterboard	Bulk Insulation R4	No
Void	Plasterboard	Bulk Insulation R4	No

Ceiling penetrations*

Location	Quantity	Type	Diameter (mm ²)	Sealed/unsealed
Laundry	1	Exhaust Fans	300	Sealed
PDR	1	Exhaust Fans	300	Sealed
Ensuite	1	Exhaust Fans	300	Sealed
Bath 2	1	Exhaust Fans	300	Sealed
Bath 1	1	Exhaust Fans	300	Sealed

Ceiling fans

Location	Quantity	Diameter (mm)
Living	1	900
Kit/Din/Fam/Ent	1	900
Gym	1	900
Guest	1	900
Bedroom 1	1	900
Bedroom 2	1	900
Bedroom 3	1	900
Bedroom 4	1	900

Roof type

Construction	Added insulation (R-value)	Solar absorptance	Roof shade
Waterproofing Membrane	No Added Insulation, No air Gap	0.30	Light
Corrugated Iron	Bulk, Reflective Side Down, Anti-glare Up R1.3	0.30	Light

Explanatory notes

About this report

A NatHERS rating is a comprehensive, dynamic computer modelling evaluation of a home, using the floorplans, elevations and specifications to estimate an energy load. It addresses the building layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings), but does not cover the water or energy use of appliances or energy production of solar panels.

Ratings are based on a unique climate zone where the home is located and are generated using standard assumptions, including occupancy patterns and thermostat settings. The actual energy consumption of a home may vary significantly from the predicted energy load, as the assumptions used in the rating will not match actual usage patterns. For example, the number of occupants and personal heating or cooling preferences will vary.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparing different dwelling designs and to demonstrate that the design meets the energy efficiency requirements in the National Construction Code. Homes that are energy efficient use less energy, are warmer on cool days, cooler on hot days and cost less to run. The higher the star rating the more thermally efficient the dwelling is.

Accredited assessors

To ensure the NatHERS Certificate is of a high quality, always use an accredited or licenced assessor. NatHERS accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

Australian Capital Territory (ACT) licensed assessors may only produce assessments for regulatory purposes using software for which they have a licence endorsement. Licence endorsements can be confirmed on the ACT licensing register

AAOs have specific quality assurance processes in place, and continuing professional development requirements, to maintain a high and consistent standard of assessments across the country. Non-accredited assessors do not have this level of quality assurance or any ongoing training requirements.

Any questions or concerns about this report should be directed to the assessor in the first instance. If the assessor is unable to address these questions or concerns, the AAO specified on the front of this certificate should be contacted.

Disclaimer

The format of the NatHERS Certificate was developed by the NatHERS Administrator. However the content of each individual certificate is entered and created by the assessor to create a NatHERS Certificate. It is the responsibility of the assessor who prepared this certificate to use NatHERS accredited software correctly and follow the NatHERS Technical Notes to produce a NatHERS Certificate.

The predicted annual energy load in this NatHERS Certificate is an estimate based on an assessment of the building by the assessor. It is not a prediction of actual energy use, but may be used to compare how other buildings 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, indoor air temperature and local climate.

Not all assumptions that may have been made by the assessor while using the NatHERS accredited software tool are presented in this report and further details or data files may be available 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 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, rangehoods, 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.
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.
Entrance door	these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilated corridor in a Class 2 building.
Exposure category – exposed	terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).
Exposure category – open	terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m; farmland with scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).
Exposure category – suburban	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
Exposure category – protected	terrain with numerous, closely spaced obstructions over 10m 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	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 .
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
Reflective wrap (also known as foil)	can be applied to walls, roofs and ceilings. When combined with an appropriate airgap and emissivity value, it provides insulative 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 device	a device fixed to windows that provides shading e.g. window awnings or screens but excludes eaves.
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.
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).