

# Nationwide House Energy Rating Scheme

## NatHERS Certificate No. 000866653-02

Generated on 26 May 2023 using BERS Pro v4.4.1.5 (3.21)

### Property

**Address** 19 Corkery Crescent , Allambie Heights , NSW , 2100  
**Lot/DP** 758016  
**NCC Class\*** 1A  
**Type** New Dwelling

### Plans

**Main plan** March 2023  
**Prepared by** Classic Building Design

### Construction and environment

<b>Assessed floor area (m<sup>2</sup>)*</b>	<b>Exposure type</b>
Conditioned* 262.0	Suburban
Unconditioned* 25.0	<b>NatHERS climate zone</b>
Total 287.0	56
Garage 0.0	



### Accredited assessor

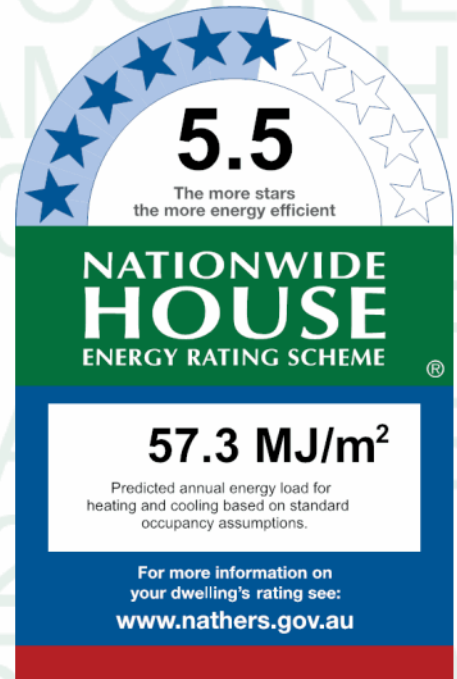
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**Accreditation No.** DMN/12/1441  
**Assessor Accrediting Organisation** Design Matters National  
**Declaration of interest** Declaration completed: no conflicts

### 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](http://www.abcb.gov.au).

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



### Thermal performance

<b>Heating</b>	<b>Cooling</b>
<b>39.8</b>	<b>17.5</b>
<b>MJ/m<sup>2</sup></b>	<b>MJ/m<sup>2</sup></b>

### 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=XcWBATjwx](http://hstar.com.au/QR/Generate?p=XcWBATjwx). When using either link, ensure you are visiting [hstar.com.au](http://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

Where not noted on plans, default selections to floor coverings and external colours have been used in this

assessment, as noted in the NatHERS Technical Notes. Alternative selections past this point can be made to floor

coverings and external colours, without requiring an amended certificate.

I have modeled the shading in accordance with NatHERS principles

## 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
TIM-001-01 W	TIM-001-01 W Timber A SG Clear	5.4	0.56	0.53	0.59

### Custom\* windows

Window ID	Window Description	Maximum U-value*	SHGC*	Substitution tolerance ranges	
				SHGC lower limit	SHGC upper limit
AWS-068-03 A	AWS-068-03 A RES SERIES 517 FIXED WINDOW SG 638ComPIsClr	4.4	0.62	0.59	0.65
AWS-011-18 A	AWS-011-18 A 541/542 AI Sliding Door SG 638CP	4.4	0.59	0.56	0.62

## Custom\* windows

Window ID	Window Description	Maximum U-value*	SHGC*	Substitution tolerance ranges	
				SHGC lower limit	SHGC upper limit
AWS-069-09 A	AWS-069-09 A RES SERIES 517 FIXED WINDOW DG 1_LightBridge_ClrS0_4-12-4	2.5	0.53	0.50	0.56
AWS-001-19 A	AWS-001-19 A 502/504 AI Sliding Window SG 638CP	4.5	0.59	0.56	0.62
BRZ-009-03 A	BRZ-009-03 A Innoscreen Altair Louvre Window SG 6mmET	5.5	0.53	0.50	0.56
AWS-009-19 A	AWS-009-19 A 517 AI Awining Window SG 638CP	5.4	0.54	0.51	0.57
AWS-003-03 A	AWS-003-03 A 502/504 AI Sliding Window DG 4/10Ar/4ET	3.5	0.55	0.52	0.58

## Window and glazed door schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orientation	Window shading device*
Kit/Din/Fam	TIM-001-01 W	n/a	2107	868	n/a	100	NE	No
Kit/Din/Fam	AWS-068-03 A	n/a	2107	432	n/a	00	NE	No
Kit/Din/Fam	AWS-011-18 A	n/a	2100	3300	n/a	45	SW	No
Kit/Din/Fam	AWS-069-09 A	n/a	475	1500	n/a	00	SW	No
Kit/Din/Fam	AWS-069-09 A	n/a	475	1500	n/a	00	SW	No
Kit/Din/Fam	AWS-001-19 A	n/a	1200	1800	n/a	66	SW	No
Kit/Din/Fam	BRZ-009-03 A	n/a	1500	1500	n/a	100	NW	No
Kit/Din/Fam	BRZ-009-03 A	n/a	1500	600	n/a	100	NW	No
Kit/Din/Fam	AWS-069-09 A	n/a	775	2700	n/a	00	NW	No
Kit/Din/Fam	AWS-069-09 A	n/a	775	2700	n/a	00	NW	No
Kit/Din/Fam	AWS-001-19 A	n/a	2100	3300	n/a	45	NE	No
Kit/Din/Fam	AWS-069-09 A	n/a	475	1500	n/a	00	NE	No
Kit/Din/Fam	AWS-069-09 A	n/a	475	1500	n/a	00	NE	No
Living	BRZ-009-03 A	n/a	1200	600	n/a	100	SE	No
Living	BRZ-009-03 A	n/a	1200	600	n/a	100	SE	No
Living	AWS-009-19 A	n/a	1800	3300	n/a	30	NE	No
Office/Study	AWS-011-18 A	n/a	2100	1800	n/a	45	NW	No
Office/Study	AWS-001-19 A	n/a	1000	1800	n/a	45	SW	No

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orientation	Window shading device*
Bedroom 5	BRZ-009-03 A	n/a	1000	1200	n/a	100	SE	No
Bedroom 5	AWS-003-03 A	n/a	1000	1800	n/a	45	SW	No
Bathroom	BRZ-009-03 A	n/a	1200	600	n/a	100	SE	No
Bathroom	BRZ-009-03 A	n/a	1200	1800	n/a	100	SE	No
Laundry	AWS-009-19 A	n/a	1000	600	n/a	90	SE	No
Laundry	TIM-001-01 W	n/a	1000	820	n/a	100	SE	No
Bedroom 1	AWS-001-19 A	n/a	600	1800	n/a	10	NW	No
Bedroom 1	AWS-009-19 A	n/a	1200	3300	n/a	10	NE	No
Bedroom 2	AWS-001-19 A	n/a	600	1800	n/a	10	SE	No
Bedroom 2	AWS-001-19 A	n/a	1200	1600	n/a	10	SW	No
Bedroom 3	AWS-001-19 A	n/a	1200	1600	n/a	10	SW	No
Bedroom 3	AWS-001-19 A	n/a	800	1800	n/a	10	NW	No
Bedroom 4	AWS-001-19 A	n/a	600	1800	n/a	10	SE	No
Ensuite	AWS-001-19 A	n/a	800	1000	n/a	10	SE	No
Bathroom	AWS-001-19 A	n/a	800	1200	n/a	10	NW	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
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

No Data Available

## Skylight schedule

Location	Skylight ID	Skylight No.	Skylight shaft length (mm)	Area (m <sup>2</sup> )	Orientation	Outdoor shade	Diffuser	Skylight shaft reflectance
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No Data Available

## External door schedule

Location	Height (mm)	Width (mm)	Opening %	Orientation
Laundry	1107	820	90	SE

## External wall type

Wall ID	Wall type	Solar absorptance	Wall shade (colour)	Bulk insulation (R-value)	Reflective wall wrap*
EW-1	Fibro Cavity Panel Direct Fix	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)
Kit/Din/Fam	EW-1	2450	1695	NE	2200	YES
Kit/Din/Fam	EW-1	3000	300	SW	4000	YES
Kit/Din/Fam	EW-1	3000	7000	SW	4300	NO
Kit/Din/Fam	EW-1	3500	10600	NW	600	NO
Kit/Din/Fam	EW-1	3000	5600	NE	3600	NO
Kit/Din/Fam	EW-1	2450	600	SE	8800	YES
Living	EW-1	2450	4595	SE	100	NO
Living	EW-1	2450	1200	NW	7900	YES
Living	EW-1	2450	7000	NE	1000	NO
Office/Study	EW-1	2450	3895	NW	7900	YES

Location	Wall ID	Height (mm)	Width (mm)	Orientation	Horizontal shading feature* maximum projection (mm)	Vertical shading feature (yes/no)
Office/Study	EW-1	2450	3695	SW	500	NO
Bedroom 5	EW-1	2450	4295	SE	100	YES
Bedroom 5	EW-1	2450	3295	SW	500	NO
Bathroom	EW-1	2450	600	NE	100	YES
Bathroom	EW-1	2450	4100	SE	100	NO
Bathroom	EW-1	2450	600	SW	100	YES
Laundry	EW-1	2450	2090	SE	100	YES
Bedroom 1	EW-1	2400	4195	NW	700	NO
Bedroom 1	EW-1	2400	1700	NE	600	YES
Bedroom 1	EW-1	2400	600	NW	2400	YES
Bedroom 1	EW-1	2400	3600	NE	500	NO
Bedroom 1	EW-1	2400	600	SE	2500	YES
Bedroom 2	EW-1	2400	4295	SE	800	YES
Bedroom 2	EW-1	2400	1000	SW	500	YES
Bedroom 2	EW-1	2400	500	SE	1800	YES
Bedroom 2	EW-1	2400	2495	SW	500	NO
Bedroom 3	EW-1	2400	2495	SW	500	NO
Bedroom 3	EW-1	2400	500	NW	1700	YES
Bedroom 3	EW-1	2400	1000	SW	500	YES
Bedroom 3	EW-1	2400	4895	NW	700	NO
Bedroom 4	EW-1	2400	600	NE	7300	YES
Bedroom 4	EW-1	2400	4100	SE	200	NO
Bedroom 4	EW-1	2400	600	SW	4800	YES
WIR	EW-1	2400	1695	NE	600	YES
WIR	EW-1	2400	4195	SE	800	NO
Ensuite	EW-1	2400	2490	SE	800	YES
Bathroom	EW-1	2400	3690	NW	700	NO
Hall	EW-1	2400	2290	NW	700	NO

## Internal wall type



Wall ID	Wall type	Area (m <sup>2</sup> )	Bulk Insulation
IW-1 - Cavity wall, direct fix plasterboard, single gap		213.00	No insulation

## Floor type

Location	Construction	Area Sub-floor (m <sup>2</sup> )	Added insulation ventilation(R-value)	Covering
Kit/Din/Fam	Suspended Timber Floor 19mm	83.50	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Living	Suspended Timber Floor 19mm	32.70	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Pantry	Suspended Timber Floor 19mm	7.70	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Corridor/Store	Suspended Timber Floor 19mm	11.80	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Office/Study	Suspended Timber Floor 19mm	14.50	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Bedroom 5	Suspended Timber Floor 19mm	13.80	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Bathroom	Suspended Timber Floor 19mm	9.90	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Laundry	Suspended Timber Floor 19mm	6.50	Very Open Bulk Insulation in Contact with Floor R2.5	Cork Tiles or Parquetry 8mm
Bedroom 1/Kit/Din/Fam	Timber Above Plasterboard 19mm	0.80	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 1/Living	Timber Above Plasterboard 19mm	21.10	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 1	Suspended Timber Floor 19mm	2.10	Enclosed Bulk Insulation in Contact with Floor R2.5	Carpet+Rubber Underlay 18mm
Bedroom 2/Office/Study	Timber Above Plasterboard 19mm	0.80	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 2/Bedroom 5	Timber Above Plasterboard 19mm	13.90	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 2	Suspended Timber Floor 19mm	1.20	Enclosed Bulk Insulation in Contact with Floor R2.5	Carpet+Rubber Underlay 18mm
Bedroom 3/Kit/Din/Fam	Timber Above Plasterboard 19mm	0.80	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 3/Pantry	Timber Above Plasterboard 19mm	1.40	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 3/Office/Study	Timber Above Plasterboard 19mm	13.70	No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 3	Suspended Timber Floor 19mm	1.20	Enclosed Bulk Insulation in Contact with Floor R2.5	Carpet+Rubber Underlay 18mm
Bedroom 4/Corridor/Store	Timber Above Plasterboard 19mm	3.60	No Insulation	Carpet+Rubber Underlay 18mm

Location	Construction	Area Sub-floor ventilation (m <sup>2</sup> )	Added insulation (R-value)	Covering
Bedroom 4/Bathroom	Timber Above Plasterboard 19mm	9.90	No Insulation	Carpet+Rubber Underlay 18mm
WIR/Living	Timber Above Plasterboard 19mm	6.90	No Insulation	Carpet+Rubber Underlay 18mm
Ensuite/Living	Timber Above Plasterboard 19mm	1.00	No Insulation	Ceramic Tiles 8mm
Ensuite/Laundry	Timber Above Plasterboard 19mm	5.40	No Insulation	Ceramic Tiles 8mm
Bathroom/Kit/Din/Fam	Timber Above Plasterboard 19mm	3.00	No Insulation	Ceramic Tiles 8mm
Bathroom/Pantry	Timber Above Plasterboard 19mm	5.90	No Insulation	Ceramic Tiles 8mm
Hall/Kit/Din/Fam	Timber Above Plasterboard 19mm	2.90	No Insulation	Carpet+Rubber Underlay 18mm
Hall/Living	Timber Above Plasterboard 19mm	3.30	No Insulation	Carpet+Rubber Underlay 18mm
Hall/Pantry	Timber Above Plasterboard 19mm	0.70	No Insulation	Carpet+Rubber Underlay 18mm
Hall/Corridor/Store	Timber Above Plasterboard 19mm	8.30	No Insulation	Carpet+Rubber Underlay 18mm
Hall/Laundry	Timber Above Plasterboard 19mm	1.20	No Insulation	Carpet+Rubber Underlay 18mm

## Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
Kit/Din/Fam	Plasterboard	Bulk Insulation R5	No
Kit/Din/Fam	Timber Above Plasterboard	No Insulation	No
Living	Timber Above Plasterboard	No Insulation	No
Pantry	Timber Above Plasterboard	No Insulation	No
Corridor/Store	Timber Above Plasterboard	No Insulation	No
Office/Study	Timber Above Plasterboard	No Insulation	No
Bedroom 5	Timber Above Plasterboard	No Insulation	No
Bathroom	Timber Above Plasterboard	No Insulation	No
Laundry	Timber Above Plasterboard	No Insulation	No
Bedroom 1	Plasterboard	Bulk Insulation R5	No
Bedroom 2	Plasterboard	Bulk Insulation R5	No
Bedroom 3	Plasterboard	Bulk Insulation R5	No



Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
Bedroom 4	Plasterboard	Bulk Insulation R5	No
WIR	Plasterboard	Bulk Insulation R5	No
Ensuite	Plasterboard	Bulk Insulation R5	No
Bathroom	Plasterboard	Bulk Insulation R5	No
Hall	Plasterboard	Bulk Insulation R5	No

### Ceiling penetrations\*

Location	Quantity	Type	Diameter (mm <sup>2</sup> )	Sealed/unsealed
Kit/Din/Fam	1	Exhaust Fans	300	Sealed
Bathroom	1	Exhaust Fans	300	Sealed
Ensuite	1	Exhaust Fans	300	Sealed
Bathroom	1	Exhaust Fans	300	Sealed

### Ceiling fans

Location	Quantity	Diameter (mm)
No Data Available		

### Roof type

Construction	Added insulation (R-value)	Solar absorptance	Roof shade
Corrugated Iron	Bulk, Reflective Side Down, No Air Gap Above R1.3	0.50	Medium

## 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

<b>Annual energy load</b>	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.
<b>Assessed floor area</b>	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.
<b>Ceiling penetrations</b>	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.
<b>Conditioned</b>	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.
<b>Custom windows</b>	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
<b>Default windows</b>	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
<b>Entrance door</b>	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.
<b>Exposure category – exposed</b>	terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).
<b>Exposure category – open</b>	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).
<b>Exposure category – suburban</b>	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
<b>Exposure category – protected</b>	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
<b>Horizontal shading feature</b>	provides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from upper levels.
<b>National Construction Code (NCC) Class</b>	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 <a href="http://www.abcb.gov.au">www.abcb.gov.au</a> .
<b>Opening percentage</b>	the operability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.
<b>Provisional value</b>	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 <a href="http://www.nathers.gov.au">www.nathers.gov.au</a>
<b>Reflective wrap</b> (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.
<b>Roof window</b>	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.
<b>Shading device</b>	a device fixed to windows that provides shading e.g. window awnings or screens but excludes eaves.
<b>Shading features</b>	includes neighbouring buildings, fences, and wing walls, but excludes eaves.
<b>Solar heat gain coefficient (SHGC)</b>	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.
<b>Skylight</b> (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.
<b>U-value</b>	the rate of heat transfer through a window. The lower the U-value, the better the insulating ability.
<b>Unconditioned</b>	a zone within a dwelling that is assumed to not require heating and cooling based on standard occupancy assumptions.
<b>Vertical shading features</b>	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).