Nationwide House Energy Rating Scheme[®] NatHERS[®] Certificate No. HD1NSC6QTJ

Generated on 14 May 2025 using FirstRate5: 5.5.5a (3.22)

Property

- Address
- Lot/DP NCC Class* Floor/all Floors Type

GRANNY, 9 Wilga Street , Punchbowl , NSW, 2196 C/-/DP318959 Class 1a New Home

Plans

Main plan REV D Prepared by ARCM

Construction and environment

Assessed floor area [m²]*Conditioned*44.1Unconditioned*6Total50.1Garage-

Exposure type suburban NatHERS climate zone 56 Mascot AMO

CCREDIP V V V SSESSOF

Accredited assessor

| Pranab chakma |
|----------------------------|
| PAUL & DAVID |
| info@basixcertifier.com.au |
| 0490511593 |
| 101225 |
| nisation |
| No 2025 |
| |

NCC Requirements

NCC provisions State/Territory variation

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.

Volume 2

Yes

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)

25.4 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 | 12 | 13.4 |
| Load limits | N/A | N/A |
| | | 1.1.1. |

Features determining load limits

| Floor type | N/A |
|---------------------------------|-----|
| (lowest conditioned area) | |
| NCC climate zone 1 or 2 | N/A |
| Outdoor living area | N/A |
| Outdoor living area ceiling fan | N/A |

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate

Verification

To verify this certificate, scan the QR code or visit https://w ww.fr5.com.au/QRCodeLand ing?PublicId=HD1NSC6QTJ When using either link, ensure you are visiting www.fr5.com.au.



NatHERS thermal software models the expected heating and

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

cooling energy loads using information about the design,

NatHERS Whole of Home software uses the heating and

cooling energy loads combined with the energy performance

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

Heating & Cooling Load Limits

of the home's appliances (heating, cooling, hot water, lighting,

About the ratings

Thermal performance rating

the airflow impacts from ceiling fans.

score out of 100 on this Certificate.

Whole of Home performance rating

Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar

Energy use:



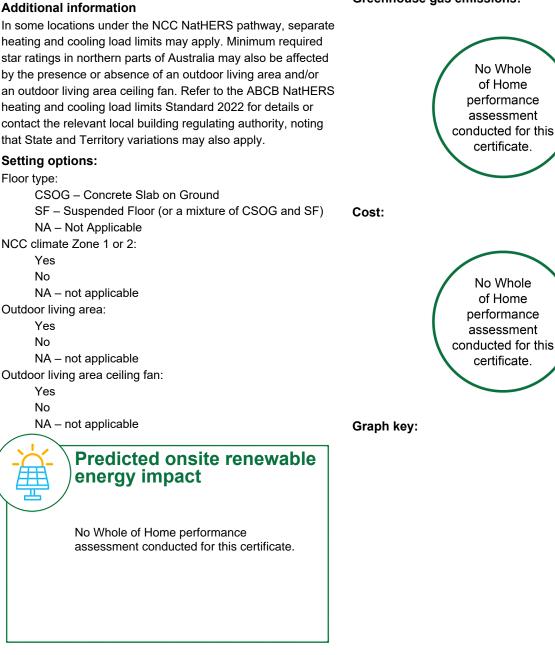
No Whole

of Home

No Whole

of Home

Greenhouse gas emissions:





| Certificate check | | stage | Construc stage | uon | |
|---|------------------|--|-------------------|--|-----------------|
| 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. | Assesso | Consen surveyo | Builder | Consen 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 | | | | | |
| 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 'Window and glazed door type and performance' and 'Roof window type and performance' tables on this Certificate? | | | | | |
| External walls | | | | | |
| Does the external wall bulk insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the External wall type table on this Certificate? | | | | | |
| Does the external wall shade (colour) match what is shown in the 'External wall type' table on this Certificate? | | | | | |
| Floor | | | | | |
| Does the floor insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the ' <i>Floor type</i> ' table on this certificate? | | | | | |
| Ceiling penetrations* | | | | | |
| 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 ' <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 | Construc stage | tion | |
|---|------------------|--|-------------------|--|-----------------|
| 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 | | | 1 | | |
| 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 | 1 | 1 | 1 | | |
| 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 <i>'Additional notes'</i> 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

- 1. Roof colour to be as per certificate
- 2. All insulation type may be replaced with similar R-value OR better
- 3. All window type may be replaced with similar u-value and SHGC or better
- 4. Floor finish and detail confrim by designer.



Room schedule

| Room | Zone Type | Area [m ²] |
|----------------|---------------|------------------------|
| Bedroom 1 | bedroom | 9.5 |
| Bedroom 2 | bedroom | 9.5 |
| BATH | unconditioned | 6 |
| Kitchen/Living | kitchen | 25.1 |

Window and glazed door type and performance

Default* windows

| | | | | Substitution to | lerance ranges |
|-----------------|----------------------|---------------------|-------|------------------|------------------|
| Window ID | Window description | Maximum U-value* | SHGC* | SHGC lower limit | SHGC upper limit |
| ALM-002-01 A | Aluminium B SG Clear | 6.7 | 0.7 | 0.66 | 0.74 |
| Custom* windows | S | | | | |
| | | | | Substitution to | lerance ranges |
| Window ID | Window description | Maximum U-value* | SHGC* | SHGC lower limit | SHGC upper limit |
| No Data Availab | le | | | | |

Window and glazed door schedule

| Location | Window ID | Window no. | Height [mm] | Width [mm] | Window type | Opening % | Orientation | Window shading device* |
|----------------|--------------|------------|----------------|---------------|-------------|-----------|-------------|------------------------------|
| Bedroom 1 | ALM-002-01 A | W3 | 1200 | 1532 | sliding | 45.0 | W | No |
| Bedroom 2 | ALM-002-01 A | W3 | 1200 | 1532 | sliding | 45.0 | S | No |
| Bedroom 2 | ALM-002-01 A | W3 | 1200 | 1532 | sliding | 45.0 | E | No |
| BATH | ALM-002-01 A | W2 | 860 | 610 | sliding | 45.0 | Ν | No |
| Kitchen/Living | ALM-002-01 A | D2 | 2135 | 1825 | sliding | 45.0 | W | No |
| Kitchen/Living | ALM-002-01 A | W3 | 1200 | 1532 | sliding | 45.0 | E | No |
| Kitchen/Living | ALM-002-01 A | W1 | 860 | 904 | sliding | 45.0 | Ν | No |
| | | | | | | | | |

Roof window* type and performance value

Default* roof windows

| | | | Substitution to | lerance ranges |
|--------------------|---------------------|-----------------------------|--|--|
| Window description | Maximum U-value* | SHGC* | SHGC lower limit | SHGC upper limit |
| | | | | |
| | | | | |
| | | | Substitution to | lerance ranges |
| Window description | Maximum U-value* | SHGC* | SHGC lower limit | SHGC upper limit |
| | | Window description U-value* | Window description U-value* SHGC* Maximum | Maximum SHGC lower limit Window description U-value* SHGC* SHGC lower limit Substitution to SHGC lower limit |



No Data Available

Roof window* schedule

| Location | Window ID | Window no. | Opening % | Area [m²] | Width [mm] | Orientation | Outdoor shade | Indoor shade |
|--------------|-----------|------------|--------------|--------------|---------------|-------------|------------------|-----------------|
| No Data Avai | lable | | | | | | | |

Skylight* type and performance

| | ice |
|-------------------|-----|
| No Data Available | |

Skylight* schedule

| | | | Skylight shaft | Area | Orient- | Outdoor | |
|-----------|-------------|--------------|----------------|------|---------|---------|----------|
| Location | Skylight ID | Skylight No. | length [mm] | [m²] | ation | shade | Diffuser |
| No Data | | | | | | | |
| Available | | | | | | | |

External door schedule

| Location | Height [mm] | Width [mm] | Opening % | Orientation |
|----------------|-------------|------------|-----------|-------------|
| Kitchen/Living | 2100 | 820 | 100.0 | Ν |

External wall type

| Wall ID | Wall type | Solar absorptance | Wall shade [colour] | Bulk insulation [R-value] | Reflective wall wrap* |
|---------|--------------------|----------------------|------------------------|----------------------------------|--------------------------|
| 1 | FR5 - Brick Veneer | 0.5 | Medium | Glass fibre batt: R2.0 (R2.0) | Yes |

External wall schedule

| Location | Wall ID | Height [mm] | Width [mm] | Orientation | Horizontal shading feature* maximum projection [mm] | Vertical shading feature* (yes/no) |
|----------------|---------|----------------|---------------|-------------|---|---------------------------------------|
| Bedroom 1 | 1 | 2460 | 2785 | W | 560 | Yes |
| Bedroom 1 | 1 | 2460 | 3429 | S | 550 | No |
| Bedroom 2 | 1 | 2460 | 2812 | S | 559 | No |
| Bedroom 2 | 1 | 2460 | 3378 | E | 565 | Yes |
| BATH | 1 | 2460 | 1779 | W | 556 | Yes |
| BATH | 1 | 2460 | 1779 | E | 0 | Yes |
| BATH | 1 | 2460 | 3392 | N | 550 | Yes |
| Kitchen/Living | 1 | 2460 | 4189 | W | 564 | Yes |
| Kitchen/Living | 1 | 2460 | 3586 | E | 546 | Yes |
| Kitchen/Living | 1 | 2460 | 3022 | N | 2433 | Yes |
| | | | | | | |

Internal wall type

Wall ID Wall type

Area [m²] Bulk insulation

*Refer to glossary. Generated on 14 May 2025 using FirstRate5: 5.5.5a (3.22) for C/-/DP318959, GRANNY, 9 Wilga Street , Punchbowl , NSW, 2196

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7.4 Star Rating as of 14 May 2025



1 FR5 - Internal Plasterboard Stud Wall

Floor type

| | | | Sub-floor | Added insulat | ion |
|----------------|---|------------------------|-------------|---------------|----------|
| Location | Construction | Area [m ²] | ventilation | [R-value] | Covering |
| Bedroom 1 | FR5 - 225mm waffle pod, 100mm concrete (R0.60) | 9.5 | Enclosed | R0.0 | Carpet |
| Bedroom 2 | FR5 - 225mm waffle pod, 100mm concrete (R0.60) | 9.5 | Enclosed | R0.0 | Carpet |
| BATH | FR5 - 225mm waffle pod, 100mm concrete (R0.60) | 6 | Enclosed | R0.0 | Tiles |
| Kitchen/Living | FR5 - 225mm waffle pod, 100mm concrete (R0.60) | 25.1 | Enclosed | R0.0 | Tiles |

Ceiling type

| Location | Construction material/type | Bulk insulation R-value [may include edge batt values] | Reflective wrap* |
|----------------|-------------------------------|---|---------------------|
| Bedroom 1 | Plasterboard | R4.0 | Yes |
| Bedroom 2 | Plasterboard | R4.0 | Yes |
| BATH | Plasterboard | R4.0 | Yes |
| Kitchen/Living | Plasterboard | R4.0 | Yes |

Ceiling penetrations*

| | | | Height | Width | |
|----------------|----------|--------------|--------|-------|-----------------|
| Location | Quantity | Туре | [mm] | [mm] | Sealed/unsealed |
| Bedroom 1 | 4 | Downlights | 100 | 100 | Sealed |
| Bedroom 2 | 4 | Downlights | 100 | 100 | Sealed |
| BATH | 1 | Exhaust Fans | 250 | 250 | Sealed |
| Kitchen/Living | 5 | Downlights | 100 | 100 | Sealed |
| Kitchen/Living | 1 | Exhaust Fans | 250 | 250 | Sealed |
| | | | | | |

Ceiling fans

| Location | Quantity | Diameter [mm] |
|-------------------|----------|---------------|
| No Data Available | | |

Roof type

| | Added insulation | n | |
|-----------------------|------------------|-------------------|---------------------|
| Construction | [R-value] | Solar absorptance | Roof shade [colour] |
| Cont:Attic-Continuous | 1.3 | 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] |



No Data Available

Appliance schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

Note: A flat assumption of 5W/m2 is used for lighting, therefore lighting is not included in the appliance schedule.

| Cooling system | | | Minimum efficiency/ | Recommended |
|---|---|--|---|---------------------------|
| Appliance/ system type | Location | Fuel type | performance | capacity |
| No Whole of Home perform: | | | • | cupacity |
| | | | | |
| Heating system | | | | |
| | | | Minimum efficiency/ | Recommended |
| Appliance/ system type | Location | Fuel type | performance | capacity |
| No Whole of Home perform | ance assessment | conducted for this certific | cate. | |
| | | | | |
| Hot water system | | | | |
| | | Minimum | | |
| Appliance/ evotem tune | Fuel type | efficiency/ performance | Hot Water CER Zone Zone 3 S | Assessed daily TC load |
| Appliance/ system type | ruei ivbe | Denormance | | 1040 |
| No Whole of Home perform | | - | | |
| | | - | | |
| | | - | | Recommended |
| Pool/spa equipment | | - | cate. | |
| | ance assessment | conducted for this certific | Minimum efficiency/ performance | Recommended |
| Pool/spa equipment Appliance/ system type | ance assessment | conducted for this certific | Minimum efficiency/ performance | Recommended |
| Pool/spa equipment Appliance/ system type No Whole of Home performa | ance assessment of | conducted for this certific Fuel type conducted for this certific | Minimum efficiency/ performance | Recommended |
| Pool/spa equipment Appliance/ system type No Whole of Home perform Onsite renewable | ance assessment of an | Fuel type conducted for this certific | Minimum efficiency/ performance | Recommended |
| Pool/spa equipment Appliance/ system type No Whole of Home perform Onsite renewable (not applicable if a Whole of | ance assessment of an | Fuel type conducted for this certific | Minimum efficiency/ performance | Recommended capacity |
| Pool/spa equipment Appliance/ system type No Whole of Home perform Onsite renewable (not applicable if a Whole of System type | ance assessment of ance assessment of energy sche of Home performa | Fuel type Fuel type conducted for this certific edule ance assessment is not Orientation | Minimum efficiency/ performance cate. t conducted for this certificate) System size or genera | Recommended capacity |
| Pool/spa equipment Appliance/ system type No Whole of Home perform Onsite renewable | ance assessment of ance assessment of energy sche of Home performa | Fuel type Fuel type conducted for this certific edule ance assessment is not Orientation | Minimum efficiency/ performance cate. t conducted for this certificate) System size or genera | Recommended capacity |
| Pool/spa equipment Appliance/ system type No Whole of Home performa Onsite renewable (not applicable if a Whole of System type No Whole of Home performa | ance assessment of ance assessment of energy sche of Home performa | Fuel type Fuel type conducted for this certific edule ance assessment is not Orientation | Minimum efficiency/ performance cate. t conducted for this certificate) System size or genera | Recommended capacity |
| Pool/spa equipment Appliance/ system type No Whole of Home performa Onsite renewable (not applicable if a Whole of System type No Whole of Home performa Battery schedule | ance assessment of ance assessment of energy sche of Home performation ance assessment of | Fuel type Fuel type conducted for this certific edule ance assessment is not Orientation conducted for this certific | Minimum efficiency/ performance cate. t conducted for this certificate) System size or genera | Recommended capacity |

No Whole of Home performance assessment conducted for this certificate.

7.4 Star Rating as of 14 May 2025



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

| Ciccoury | |
|---------------------------------------|--|
| 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 | nervides shading to the building in the barigantel plane, and source versulate nerveles, compute as averbange or beleavies from |
| 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 | the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or |
| (NCC) Class | 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. |
| | |

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7.4 Star Rating as of 14 May 2025

