

Nationwide House Energy Rating Scheme* Certificate

Certificate number: 0000753244-01

Certificate Date: 09 Jun 2017

★ Star rating: 6.4



Assessor details

Accreditation number: **VIC/BDAV/12/1457**
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Declaration of interest: **No potential conflicts of interest to declare**
Software: **AccuRate Sustainability V2.3.3.13 SP3**
AAO: **BDAV**

Overview

Dwelling details

Street: **Unit 103, 10-14 Gordon Street**
Suburb: **Blacktown**
State: **NSW** Postcode: **2148**
Type: **New** NCC Class: **2**
NatHERS climate zone: **28**
Lot/DP number: **Lots B,C,D/DP 371472** Exposure: **Suburban**

Key construction and insulation materials

(see following pages for details)

Construction: **AAC**
Roof - N/A
Plywood/Slab/Plasterboard
Insulation: **R2.0 wall insulation**
Ceiling (uninsulated)
Floor (uninsulated)
Glazing: **Aluminium B SG Clear**

Net floor area (m²)

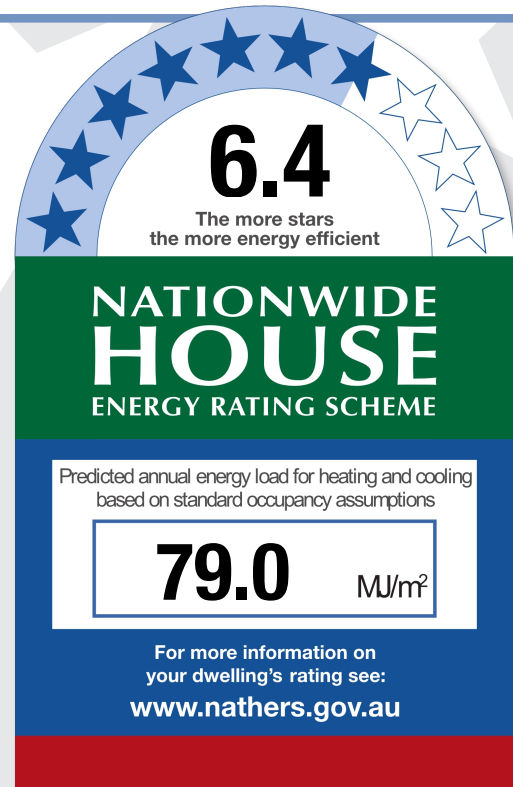
Conditioned: **43.0**
Unconditioned: **6.0**
Garage:
TOTAL: **49.0**

Annual thermal performance loads (MJ/m²)

Heating: **26.0**
Cooling: **54.0**
TOTAL: **79.0**

Plan documents

Plan ref/date: **Prelim**
Prepared by: **Ghazi Al Ali**



Ceiling penetrations

(see following pages for details)

Sealed: **0**
Unsealed: **0**
TOTAL:** **0**

NOTE: This total is the maximum number of ceiling penetrations allowed to a ceiling (under a roof) for this certificate. **If this number is exceeded in construction then this certificate IS NOT VALID and a new certificate is required. Loss of ceiling insulation for the penetrations listed has been taken into account with the rating.

Principle downlight type: **No downlights modelled**

Window selection - default windows only

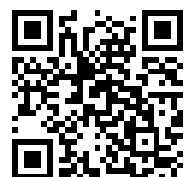
Note on allowable window values: With a 10% tolerance to the nominated SHGC window values shown on page 2, the following ratings are achieved:

-10% SHGC **6.4**
+10% SHGC **6.2**

NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated on page 2.

If the rating listed above falls below 6.0 stars or the required rating, then the window with this tolerance can NOT be selected.

Scan to access this certificate online and confirm this is valid.



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Building features

Window type and performance value

| Window ID | Window type | U-value | SHGC |
|--------------|--------------------------------|---------|------|
| ALM-002-01 A | DEFAULTS: Aluminium B SG Clear | 6.7 | 0.70 |

Window schedule

| Location | Window ID | Window no. | Height (mm) | Width (mm) | Orientation | Outdoor shade |
|----------------|--------------|------------|-------------|------------|-------------|---------------|
| Kitchen/Living | ALM-002-01 A | kl | 2800 | 2740 | W | None |
| Bed 1 | ALM-002-01 A | kl | 2800 | 2500 | W | None |

Roof window and skylight type and performance value

| ID | Window type | U-value | SHGC |
|--------------|-------------|---------|------|
| None Present | | | |

Roof window and skylight schedule

| Location | ID | Roof window/skylight no. | Area (m²) | Orientation | Outdoor shade | Indoor shade/diffuser |
|--------------|----|--------------------------|-----------|-------------|---------------|-----------------------|
| None Present | | | | | | |

External wall type

| ID | Wall type | Insulation | Wall wrap or foil |
|--------|---|------------------------|-------------------|
| EW-001 | AAC | Glass fibre batt: R2.0 | No |
| EW-002 | Plasterboard/Aerated autoclaved concrete block/Plasterboard | Glass fibre batt: R1.0 | No |

External wall schedule

| Location | ID | Width (mm) | Height (mm) | Orientation | Fixed Shade | Eaves (mm) |
|----------------|--------|------------|-------------|-------------|-------------|------------|
| Kitchen/Living | EW-001 | 3325 | 2800 | W | Yes | 2400 |
| Kitchen/Living | EW-002 | 2500 | 2800 | E | No | |
| Bed 1 | EW-001 | 1080 | 2800 | S | Yes | 3300 |
| Bed 1 | EW-001 | 3000 | 2800 | W | Yes | 1000 |
| Bath | EW-002 | 2400 | 2800 | E | No | |

Internal wall type

| ID | Wall type | Area (m²) | Insulation | Wall wrap or foil |
|--------|--------------|-----------|------------------------|-------------------|
| IW-001 | Plasterboard | 26.0 | Glass fibre batt: R1.0 | No |
| IW-002 | Plasterboard | 38.2 | Glass fibre batt: R1.0 | No |

Floors

| Location | Construction | Area (m²) | Sub floor ventilation | Added insulation | Covering |
|--------------------------|---|-----------|-----------------------|------------------|----------|
| Kitchen/Living/Neighbour | Concrete Suspended Slab 150 mm: timber/air gap/plasterboard | 29.0 | | | |
| Bed 1/Neighbour | Concrete Suspended Slab 150 | 13.8 | | | |

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Building features continued

| | | | |
|----------------|---------------------------------------|-----|--------------|
| Bath/Neighbour | mm: timber/air gap/plasterboard | | Ceramic tile |
| | Concrete Suspended Slab 150 | 5.9 | |
| | mm: ceramic tile/air gap/plasterboard | | |

Ceiling type

| Location | Construction | Added insulation | Roof space above |
|--------------------------|---|------------------|------------------|
| Neighbour/Kitchen/Living | Concrete Suspended Slab 150 mm: timber/air gap/plasterboard | | No |
| Neighbour/Bed 1 | Concrete Suspended Slab 150 mm: timber/air gap/plasterboard | | No |
| Neighbour/Bath | Concrete Suspended Slab 150 mm: timber/air gap/plasterboard | | No |

Ceiling penetrations

| Location | Number | Type | Diameter (mm) | Sealed/unsealed |
|--------------|--------|------|---------------|-----------------|
| None Present | | | | |

Ceiling fans

| Location | Number | Diameter (mm) |
|--------------|--------|---------------|
| None Present | | |

Roof type

| Construction | Added insulation | Roof colour |
|--------------|------------------|-------------|
| None Present | | |

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Additional information

Explanatory notes

About this report

Residential energy ratings address the quality of the building fabric i.e. walls, windows, floors and roof/ceilings. Ratings do not cover the energy or water efficiency of appliances including heating and cooling, hot water, dishwashers, ovens, fridges, TVs etc. or solar panel or water tank requirements. The efficiency or specification of these items is generally covered by other regulations, standards or guidelines.

General Information

A NatHERS House Energy Rating is a comprehensive, dynamic computer modelling evaluation of the floorplans, elevations and specifications to predict an energy load of a home. Not all of us use our homes in the same way, so ratings are generated using standard assumptions. This means homes can be compared across the country.

The actual energy consumption of your home may vary significantly from the predicted energy load figures in the report depending on issues such as the size of your household and your personal preferences, e.g. in terms of heating or cooling.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparative purposes between different house designs and for demonstrating that the design meets the required regulatory compliance.

Homes that are energy efficient use less energy, are warmer in winter, cooler in summer and cost less to run. The higher the star rating the more energy efficient.

This NatHERS House Energy Rating report was carefully prepared by your assessor on the basis of comprehensive modelling using standard procedures to rate your home using the underlying engine developed by the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO).

All information relating to energy loads presented in this report is based on a range of standard assumptions in order to allow for comparisons with reports prepared for other homes and to demonstrate minimum regulatory compliance.

The standard assumptions include figures for occupancy, indoor air temperature and are based on a unique climate file for your region.

Accredited Assessors

To ensure you get a high-quality, professional NatHERS House Energy Rating report, you should always use an accredited assessor, accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

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 on-going training requirements.

If you have any questions or concerns about this report, please direct them to your assessor in the first instance.

If your assessor is unable to address your questions or concerns, please contact their AAO listed under 'assessor details'. You can also find a range of information about accredited assessors on the AAO websites.

Disclaimer

The energy values quoted are for comparison purposes only; they are not a prediction of actual energy use. This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached drawing set that bears a stamp with the same number as this certificate. Changes to any of these details could affect the rating.

Contact

For more information on the Nationwide House Energy Rating Scheme (NatHERS), visit www.nathers.gov.au

For more information on energy efficient design and insulation visit www.yourhome.gov.au