Nationwide House Energy Rating Scheme* Certificate

Certificate number: **0000162347** Certificate Date: **02 Sep 2015** ★Star rating: **4.4**

Assessor details

Accreditation number:	**VIC/BDAV/12/1457**
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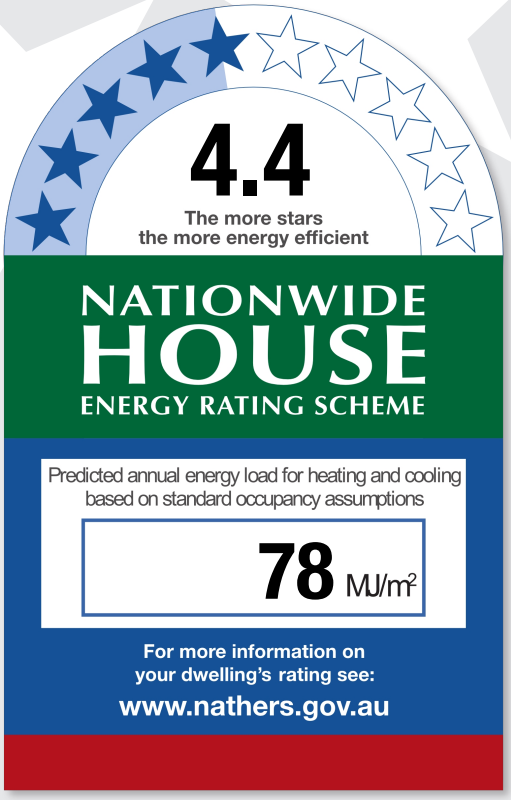
Declaration of interest:	**No potential conflicts of interest to declare**
Software:	**AccuRate Sustainability V2.3.3.13 SP2**
AAO:	**BDAV**



Overview

Dwelling details

Street:	**Unit 1.4, 175-177 Cleveland STREET**		
Suburb:	**REDFERN**		
State:	**NSW**	Postcode:	**2016**
Type:	**New**	NCC Class:	**2**
		NatHERS climate zone:	**56**
Lot/DP number:	Lot 15,1,10,3,4,5/DP 57107,724328,1093304,609537,977379,68798	Exposure:	**Suburban**

Key construction and insulation materials

(see following pages for details)

Construction:	**Brick Veneer** **Roof - N/A** **Plywood**
Insulation:	**R2.0 wall insulation** **Ceiling (uninsulated)** **Floor (uninsulated)**
Glazing:	**Aluminium Sliding Door SG 5Clr**

Net floor area (m²)

Conditioned:	**39**
Unconditioned:	**4**
Garage:	
TOTAL:	**43**

Annual thermal performance loads (MJ/m²)

Heating:	**49**
Cooling:	**29**
TOTAL:	**78**

Plan documents

Plan reference: **2014067**
Prepared by: **JPRA Architects**

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 exceded 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 **4.4**

+10% SHGC **4.4**

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.

* Nationwide House Energy Rating Scheme (NatHERS) is an initiative of the Australian, state and territory governments. For more details see www.nathers.gov.au

Building features

Window type and performance value

Window ID	Window type	U-value	SHGC
AIR-006-03 A	ALL-WINDOWS: Aluminium Sliding Door SG 5Clr	6.20	0.73

Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
Kitchen/Living	AIR-006-03 A	living	1200	1200	E	None
Kitchen/Living	AIR-006-03 A	living	2700	2400	E	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

Type	Insulation	Wall wrap or foil
EW-003: Brick Veneer	Glass fibre batt: R2.0	Yes
EW-005: Plasterboard	Glass fibre batt: R1.5	No

External wall schedule

Location	Wall type	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
Kitchen/Living	EW-003	1570	2700	E	No	
Kitchen/Living	EW-003	1400	2700	N	Yes	2700
Kitchen/Living	EW-003	2700	2700	E	Yes	1800
Kitchen/Living	EW-003	3000	2700	S	Yes	2100
Bath	EW-005	500	2700	W	Yes	1600
Entrance/Hall	EW-005	1000	2700	W	Yes	1600

Internal wall type

Wall type	Area (m²)	Insulation	Wall wrap or foil
IW-001: Plasterboard	37.1		No
IW-002: Plasterboard	43.6	Glass fibre batt: R1.5	No

Floors

Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
Kitchen/Living/Neig	Concrete Suspended Slab 150	5.5			Ceramic tile

Building features continued

hbour	mm: ceramic tile/air gap/plasterboard		
Kitchen/Living/Outdoor Air	Concrete Suspended Slab 150 mm: timber/air gap/plasterboard	1.2	
Kitchen/Living/Neighbour	Concrete Suspended Slab 150 mm: timber/air gap/plasterboard	17.3	
Bed/Neighbour	Concrete Suspended Slab 150 mm: carpet/air gap/plasterboard	10.0	Carpet 10 + rubber underlay 8
Bath/Neighbour	Concrete Suspended Slab 150 mm: ceramic tile/air gap/plasterboard	4.5	Ceramic tile
Entrance/Hall/Neighbour	Concrete Suspended Slab 150 mm: timber/air gap/plasterboard	5.2	

Ceiling type

Location	Construction	Added insulation	Roof space above
Neighbour/Kitchen/Living	Concrete Suspended Slab 150 mm: ceramic tile/air gap/plasterboard		No
Neighbour/Kitchen/Living	Concrete Suspended Slab 150 mm: timber/air gap/plasterboard		No
Neighbour/Bed	Concrete Suspended Slab 150 mm: timber/air gap/plasterboard		No
Neighbour/Bath	Concrete Suspended Slab 150 mm: ceramic tile/air gap/plasterboard		No
Neighbour/Entrance/Hall	Concrete Suspended Slab 150 mm: timber/air gap/plasterboard		No

Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
Kitchen/Living	8	Downlight		Unsealed
Bed	4	Downlight		Unsealed
Bath	3	Downlight		Unsealed
Entrance/Hall	3	Downlight		Unsealed

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 this 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 an 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

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