

Nationwide House Energy Rating Scheme* Certificate

Certificate Number: ZEBRWMTSQ

Date of Certificate: 14 Feb 2019

★ Star rating: 5.3



Assessor details

Accreditation number: **101484**
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Declaration of interest: **No potential conflicts of interest to declare**
Software: **FirstRate5: 5.2.10a (3.13)**
AAO: **ABSA**

Overview

Dwelling details

Address: **26 PARR AVE**
Suburb: **NORTH CURL CURL**
State: **NSW** Postcode: **2099**
Type: **New Home** NCC Class: **Class 1a**
Lot/DP number: **14/13900** NatHERS climate zone: **56**
Exposure: **suburban**

Key construction and insulation materials

(see following pages for details)

Construction: Wall: **TIMBERFRAME**
Roof: **COLORBOND**
Floor: **CSOG & TIMBER**
Insulation: Wall: **R3.0**
Roof: **R4.5 SS**
Floor: **NIL**
Glazing: **ALUMINIUM**
SG & DB CLEAR

Net floor area (m²)

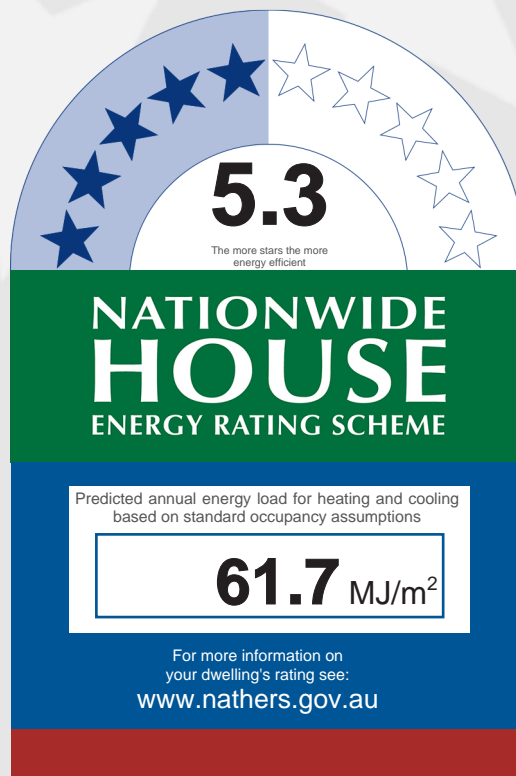
Conditioned: **163.5**
Unconditioned: **15.9**
Garage: **33.3**
TOTAL: **212.7**

Annual thermal performance loads (MJ/m²)

Heating: **36.4**
Cooling: **25.3**
TOTAL: **61.7**

Plan documents

Plan ref/date: **11/02/2019**
Prepared by: **KJR DRAFTING**



Ceiling penetrations

(see following pages for details)

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

Principal downlight type: **No downlights modelled**

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.

Window selection - default windows only

Note on allowable window values: Only a 5% tolerance to the nominated SHGC window values shown on page 2 can be used with this rating.

Note: Only a +/-5% SHGC tolerance is allowed with this rating.

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If any of the windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.

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



<https://www.fr5.com.au/QRCodeLand ing?PublicId=ZEBRWMTSQ>

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Building Features

Windows type and performance value

Window ID	Window type	U-value	SHGC
ALM-004-01 A	Aluminium B DG Air Fill Clear-Clear	4.8	0.59
ALM-002-01 A	Aluminium B SG Clear	6.7	0.7

Windows schedule

Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Zone name	Outdoor shade
ALM-004-01 A	W03	600	2410	E	Kitchen	No
ALM-004-01 A	D03	2400	3588	N	Kitchen	No
ALM-002-01 A	W04	860	610	E	Pantry	No
ALM-002-01 A	W05	860	610	E	GF Bath	No
ALM-004-01 A	D02	2400	3588	N	Dining/Living	No
ALM-002-01 A	W02	1500	900	W	Dining/Living	No
ALM-002-01 A	W01	1500	900	W	Dining/Living	No
ALM-004-01 A	W06	1200	2170	E	Living	No
ALM-002-01 A	W23.2	1200	1050	W	Bedroom 3	No
ALM-002-01 A	W23.1	1200	680	W	Bedroom 3	No
ALM-002-01 A	W23.3	1200	680	W	Bedroom 3	No
ALM-004-01 A	W25.2	1200	1050	W	UF Living	No
ALM-004-01 A	W25.1	1200	680	W	UF Living	No
ALM-004-01 A	W25.3	1200	680	W	UF Living	No
ALM-004-01 A	W14	1460	610	S	UF Living	No
ALM-004-01 A	W13	1460	610	S	UF Living	No
ALM-004-01 A	D05	2100	1640	S	UF Living	No
ALM-002-01 A	W16	1460	610	S	Master Bedroom	No
ALM-002-01 A	D06	2100	1640	S	Master Bedroom	No
ALM-002-01 A	W15	1460	610	S	Master Bedroom	No
ALM-002-01 A	W17	600	2170	E	Master Bedroom	No
ALM-002-01 A	W18	600	1210	E	Ensuite	No
ALM-002-01 A	W19	600	1570	E	UF Bath	No
ALM-004-01 A	W20	600	1810	E	UF Study	No
ALM-002-01 A	W21	600	1570	N	UF Study	No
ALM-002-01 A	W22	600	1570	N	UF Study	No
ALM-002-01 A	W24.2	1200	1050	W	Bedroom 2	No
ALM-002-01 A	W24.1	1200	680	W	Bedroom 2	No
ALM-002-01 A	W24.3	1200	680	W	Bedroom 2	No

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Roof windows and skylight type and performance value

ID	Window type	U-value	SHGC
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Roof window and skylight schedule

ID	Roof window/ skylight no.	Area (m ²)	Orientation	Zone name	Outdoor shade	Indoor shade/diffuser
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External wall type

Type	Insulation	Wall wrap
1 : LR - Insulated Weatherboard	Polystyrene extruded: R3.0 (R3.0)	Yes
2 : LR - Double Stud Wall		No

External wall schedule

Wall type	Area (m ²)	Orientation	Zone name	Fixed shade	Eaves
1 : LR - Insulated Weatherboard	14.4	E	Kitchen	No	Yes
1 : LR - Insulated Weatherboard	12	N	Kitchen	No	Yes
1 : LR - Insulated Weatherboard	4.9	E	Pantry	No	Yes
1 : LR - Insulated Weatherboard	4.9	E	GF Bath	No	Yes
1 : LR - Insulated Weatherboard	15.7	N	Dining/Living	No	Yes
1 : LR - Insulated Weatherboard	17.4	W	Dining/Living	No	Yes
1 : LR - Insulated Weatherboard	18	W	Garage	No	Yes
2 : LR - Double Stud Wall	17.8	S	Garage	No	No
2 : LR - Double Stud Wall	12	S	Living	No	No
1 : LR - Insulated Weatherboard	1.2	S	Living	Yes	No
1 : LR - Insulated Weatherboard	9.5	E	Living	No	Yes
1 : LR - Insulated Weatherboard	8.8	W	Bedroom 3	No	Yes
1 : LR - Insulated Weatherboard	10.3	W	UF Living	No	Yes
1 : LR - Insulated Weatherboard	10.1	S	UF Living	No	Yes
1 : LR - Insulated Weatherboard	10.2	S	Master Bedroom	No	Yes
1 : LR - Insulated Weatherboard	9.2	E	Master Bedroom	No	Yes
1 : LR - Insulated Weatherboard	7.9	E	Ensuite	No	Yes
1 : LR - Insulated Weatherboard	7.8	E	UF Bath	No	Yes
1 : LR - Insulated Weatherboard	6.3	E	UF Study	No	Yes
1 : LR - Insulated Weatherboard	20.5	N	UF Study	No	Yes
1 : LR - Insulated Weatherboard	2.5	W	UF Study	No	Yes

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1 : LR - Insulated Weatherboard 9.6 W Bedroom 2 No Yes

Internal wall type

Type	Area (m ²)	Insulation
1 : FR5 - Internal Plasterboard Stud Wall	208.3	

Floors

Location	Construction	Area (m ²)	Sub floor ventilation	Added insulation	Covering
Kitchen	FR5 - CSOG: Slab on Ground	23	Enclosed	R0.0	Tiles
Pantry	FR5 - CSOG: Slab on Ground	1.9	Enclosed	R0.0	Tiles
Pantry	FR5 - CSOG: Slab on Ground	1.6	Enclosed	R0.0	Tiles
GF Bath	FR5 - CSOG: Slab on Ground	4.2	Enclosed	R0.0	Tiles
GF Bath	FR5 - CSOG: Slab on Ground	1.7	Enclosed	R0.0	Tiles
Laundry	FR5 - CSOG: Slab on Ground	2.1	Enclosed	R0.0	Tiles
Corridor	FR5 - CSOG: Slab on Ground	3.7	Enclosed	R0.0	Carpet
Dining/Living	FR5 - CSOG: Slab on Ground	31.9	Enclosed	R0.0	Carpet
Dining/Living	FR5 - CSOG: Slab on Ground	4.5	Enclosed	R0.0	Carpet
Garage	FR5 - CSOG: Slab on Ground	26.3	Enclosed	R0.0	none
Garage	FR5 - CSOG: Slab on Ground	6.9	Enclosed	R0.0	none
Living	FR5 - CSOG: Slab on Ground	10.8	Enclosed	R0.0	Carpet
Living	FR5 - CSOG: Slab on Ground	2.9	Enclosed	R0.0	Carpet
Bedroom 3	FR5 - Timber	12.4	Enclosed	R0.0	Carpet
UF Living	FR5 - Timber	17.2	Enclosed	R0.0	Carpet
Master Bedroom	FR5 - Timber	13.5	Enclosed	R0.0	Carpet
WIR	FR5 - Timber	1.7	Enclosed	R0.0	Carpet
WIR	FR5 - Timber	2.9	Enclosed	R0.0	Carpet
Ensuite	FR5 - Timber	3.2	Enclosed	R0.0	Tiles
Ensuite	FR5 - Timber	1.9	Enclosed	R0.0	Tiles
UF Bath	FR5 - Timber	7.9	Enclosed	R0.0	Tiles
UF Study	FR5 - Timber	21.3	Enclosed	R0.0	Carpet
UF Study	FR5 - Timber	1.6	Enclosed	R0.0	Carpet
Bedroom 2	FR5 - Timber	5.4	Enclosed	R0.0	Carpet
Bedroom 2	FR5 - Timber	8	Enclosed	R0.0	Carpet

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Ceiling type

Location	Material	Added insulation	Roof space above
Kitchen	Plasterboard	R4.0	Yes
Pantry	FR5 - Timber	R0.0	No
Pantry	Plasterboard	R4.0	Yes
GF Bath	FR5 - Timber	R0.0	No
GF Bath	FR5 - Timber	R0.0	No
GF Bath	Plasterboard	R4.0	Yes
Laundry	FR5 - Timber	R0.0	No
Corridor	FR5 - Timber	R0.0	No
Corridor	FR5 - Timber	R0.0	No
Dining/Living	Plasterboard	R4.0	Yes
Dining/Living	FR5 - Timber	R0.0	No
Garage	FR5 - Timber	R0.0	No
Garage	FR5 - Timber	R0.0	No
Garage	FR5 - Timber	R0.0	No
Garage	Plasterboard	R4.0	Yes
Living	FR5 - Timber	R0.0	No
Living	FR5 - Timber	R0.0	No
Living	FR5 - Timber	R0.0	No
Living	FR5 - Timber	R0.0	No
Living	Plasterboard	R4.0	Yes
Bedroom 3	Plasterboard	R4.0	Yes
UF Living	Plasterboard	R4.0	Yes
Master Bedroom	Plasterboard	R4.0	Yes
WIR	Plasterboard	R4.0	Yes
WIR	Plasterboard	R4.0	Yes
Ensuite	Plasterboard	R4.0	Yes
Ensuite	Plasterboard	R4.0	Yes
UF Bath	Plasterboard	R4.0	Yes
UF Study	Plasterboard	R4.0	Yes
UF Study	Plasterboard	R4.0	Yes
Bedroom 2	Plasterboard	R4.0	Yes
Bedroom 2	Plasterboard	R4.0	Yes

Ceiling penetrations

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Building Features

Location	Number	Type	Width (mm)	Length (mm)	Seal/ unsealed
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Ceiling fans

Location	Number	Diameter (mm)
Dining/Living	1	1400
Bedroom 3	1	1400
UF Living	1	1400
Master Bedroom	1	1400
Bedroom 2	1	1400

Roof type

Material	Added insulation	Roof colour
Disc:Attic-Discontinuous	4.0	light

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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