

Nationwide House Energy Rating Scheme* Certificate

Certificate Number: **FTFXA32C5W**

Date of Certificate: **14 Feb 2019**

★ Star rating: **5.9**



Assessor details

Accreditation number: **101484**
Name: **Bianca Nguyen**
Organisation: **Freeline Studio**
Email: **Bianca.Nguyen@freelinestudio.com.au**
Phone: **0426260963**
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 DB TINTED**

Net floor area (m²)

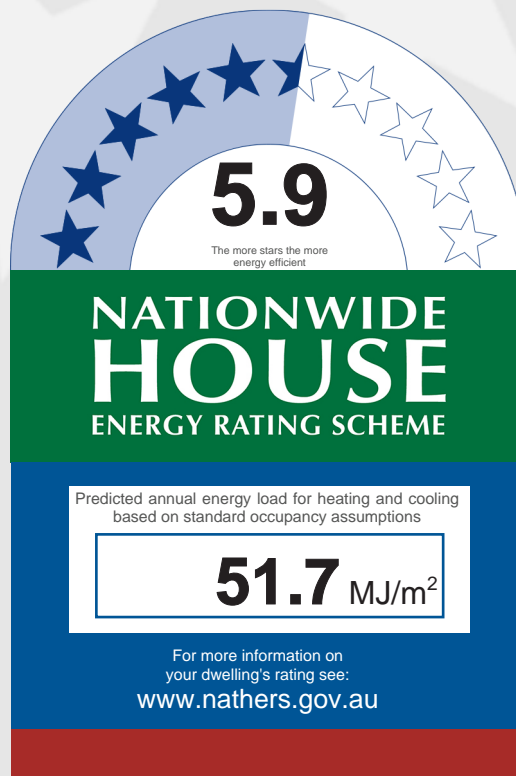
Conditioned: **44.3**
Unconditioned: **6.6**
Garage: **-**
TOTAL: **50.9**

Annual thermal performance loads (MJ/m²)

Heating: **25.7**
Cooling: **26**
TOTAL: **51.7**

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:

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.

No downlights modelled

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If any of the windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.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=FTFXA32C5W>

Nationwide House Energy Rating Scheme* Certificate

Certificate Number: **FTFXA32C5W**

Date of Certificate: **14 Feb 2019**

★ Star rating: **5.9**



Building Features

Windows type and performance value

Window ID	Window type	U-value	SHGC
ALM-004-04 A	Aluminium B DG Air Fill Low Solar Gain low-E -Clear	4.9	0.33

Windows schedule

Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Zone name	Outdoor shade
ALM-004-04 A	W07	1030	610	E	G Bath	No
ALM-004-04 A	W09.2	1460	800	S	G Bedroom	No
ALM-004-04 A	W09.1	1460	750	S	G Bedroom	No
ALM-004-04 A	W08	600	1810	E	G Bedroom	No
ALM-004-04 A	W12	1500	900	W	G Kitchen	No
ALM-004-04 A	W11	1500	900	W	G Living/Dining	No
ALM-004-04 A	D04	2400	2170	S	G Living/Dining	No
ALM-004-04 A	W10.2	1460	750	S	G Living/Dining	No
ALM-004-04 A	W10.1	1460	800	S	G Living/Dining	No

Roof windows and skylight type and performance value

ID	Window type	U-value	SHGC
----	-------------	---------	------

Roof window and skylight schedule

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

External wall type

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

External wall schedule

Wall type	Area (m ²)	Orientation	Zone name	Fixed shade	Eaves
1 : LR - Double Stud Wall	10	N	G Bath	No	No
2 : LR - Insulated Weatherboard	6.1	E	G Bath	Yes	Yes
2 : LR - Insulated Weatherboard	12.1	S	G Bedroom	No	Yes
2 : LR - Insulated Weatherboard	10.1	E	G Bedroom	Yes	Yes
1 : LR - Double Stud Wall	5.1	N	G Study	No	No

Nationwide House Energy Rating Scheme* Certificate

Certificate Number: **FTFXA32C5W**

Date of Certificate: **14 Feb 2019**

★ Star rating: **5.9**



Building Features

1 : LR - Double Stud Wall	13.9	N	G Kitchen	No	No
2 : LR - Insulated Weatherboard	6.1	W	G Kitchen	No	Yes
2 : LR - Insulated Weatherboard	10.1	W	G Living/Dining	No	Yes
2 : LR - Insulated Weatherboard	17.2	S	G Living/Dining	No	Yes

Internal wall type

Type	Area (m ²)	Insulation
1 : FR5 - Internal Plasterboard Stud Wall	53.1	

Floors

Location	Construction	Area (m ²)	Sub floor ventilation	Added insulation	Covering
G Bath	FR5 - CSOG: Slab on Ground	5.7	Enclosed	R0.0	Tiles
G Bath	FR5 - CSOG: Slab on Ground	0.9	Enclosed	R0.0	Tiles
G Bedroom	FR5 - CSOG: Slab on Ground	10.9	Enclosed	R0.0	Carpet
G Bedroom	FR5 - CSOG: Slab on Ground	1.5	Enclosed	R0.0	Carpet
G Study	FR5 - CSOG: Slab on Ground	3.4	Enclosed	R0.0	Carpet
G Kitchen	FR5 - CSOG: Slab on Ground	6.7	Enclosed	R0.0	Tiles
G Kitchen	FR5 - CSOG: Slab on Ground	2.4	Enclosed	R0.0	Tiles
G Living/Dining	FR5 - CSOG: Slab on Ground	15.4	Enclosed	R0.0	Carpet
G Living/Dining	FR5 - CSOG: Slab on Ground	4	Enclosed	R0.0	Carpet

Ceiling type

Location	Material	Added insulation	Roof space above
G Bath	Plasterboard	R4.0	Yes
G Bedroom	Plasterboard	R4.0	Yes
G Kitchen	Plasterboard	R4.0	Yes
G Living/Dining	Plasterboard	R4.0	Yes

Ceiling penetrations

Location	Number	Type	Width (mm)	Length (mm)	Seal/ unsealed
----------	--------	------	------------	-------------	----------------

Ceiling fans

Location	Number	Diameter (mm)
G Bedroom	1	1400

Nationwide House Energy Rating Scheme* Certificate

Certificate Number: **FTFXA32C5W**

Date of Certificate: **14 Feb 2019**

★ Star rating: **5.9**



Building Features

G Living/Dining 1 1400

Roof type

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

Nationwide House Energy Rating Scheme* Certificate

Certificate Number: **FTFXA32C5W**

Date of Certificate: **14 Feb 2019**

★ Star rating: **5.9**



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