

# Nationwide House Energy Rating Scheme\* Certificate



Certificate number: **0003791464-01**

Certificate Date: **18 Apr 2019**

★ Star rating: **6.2**

BERS Pro v4.3.0.0 (3.13) cannot be used to model 'roof windows'. Roof windows are 'openable or fixed windows in a roof' and do not have a shaft, as distinct from skylights which incorporate a built-in shaft and are not ventilated. BERS Pro v4.3 can only model skylights. If a roof window is present on the floor plan then this certificate is not valid.

## Assessor details

Accreditation number: **101182**  
Name: **Daniel.Warda**  
Organisation: **Energi Thermal Assessors Pty Ltd**  
Email: **daniel.warda@hotmail.com**  
Phone: **0452504125**  
Declaration of interest: **None**  
Software: **BERS Pro v4.3.0.2d (3.13)**  
AAO: **ABSA**

## Overview

### Dwelling details

Street: **Spicer Road**  
Suburb: **Oxford Falls**  
State: **NSW** Postcode: **2100**  
Type: **New Dwelling** NCC Class: **1A**  
NatHERS climate zone: **56**  
Lot/DP number: **2/504480** Exposure: **Open**

### Key construction and insulation materials

(see following pages for details)

Construction: **Fibro Cavity Panel Direct Fix**  
**Corrugated Iron**  
**Waffle pod slab 300 mm**  
Insulation: **R2.0 wall insulation**  
**R3.5 ceiling insulation**  
**No floor insulation**  
Glazing: **ALM-002-01 A Aluminium B SG Clear**

### Net floor area (m<sup>2</sup>)

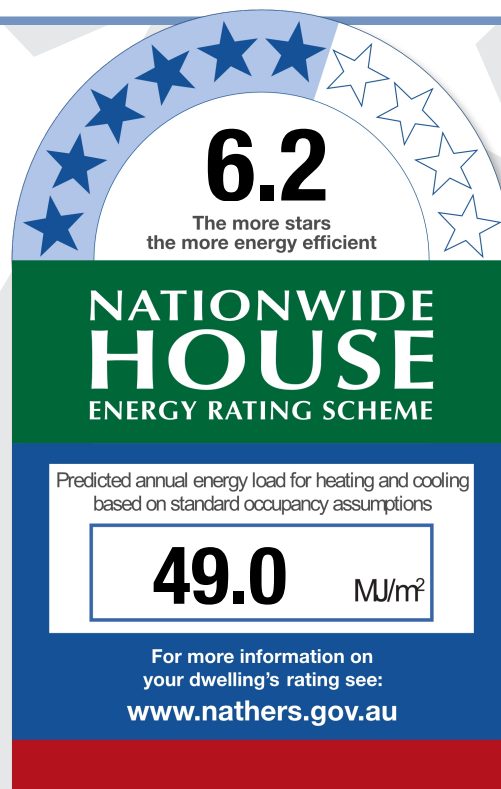
Conditioned: **237.0**  
Unconditioned: **12.0**  
Garage: **0.0**  
TOTAL: **249.0**

### Annual thermal performance loads (MJ/m<sup>2</sup>)

Heating: **25.0**  
Cooling: **24.1**  
TOTAL: **49.0**

### Plan documents

Plan ref/date: **7240**  
Prepared by: **Tullipan Homes**



### Ceiling penetrations

(see following pages for details)

Sealed: **2**  
Unsealed: **0**  
TOTAL:\*\* **2**

\*\*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: **Unknown**

### 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 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.



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## Building features

### Window type and performance value

Window ID	Window type	U-value	SHGC
ALM-002-01 A	ALM-002-01 A 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	n/a	1800	900	SW	No Shading
Kitchen/Living	ALM-002-01 A	n/a	1800	900	SW	No Shading
Kitchen/Living	ALM-002-01 A	n/a	1800	900	SW	No Shading
Kitchen/Living	ALM-002-01 A	n/a	1200	2400	NW	No Shading
Kitchen/Living	ALM-002-01 A	n/a	2100	3600	SE	No Shading
Kitchen/Living	ALM-002-01 A	n/a	2100	2700	SE	No Shading
Laundry	ALM-002-01 A	n/a	900	600	SW	No Shading
Bathroom	ALM-002-01 A	n/a	1200	1500	SW	No Shading
Bedroom 1	ALM-002-01 A	n/a	1800	2400	SW	No Shading
E.S	ALM-002-01 A	n/a	900	900	SW	No Shading
E.S 2	ALM-002-01 A	n/a	900	900	NW	No Shading
Bedroom 2	ALM-002-01 A	n/a	1200	2400	NW	No Shading
Bedroom 2	ALM-002-01 A	n/a	1800	1800	NE	No Shading
Bedroom 3	ALM-002-01 A	n/a	1800	1800	NE	No Shading
Bedroom 4	ALM-002-01 A	n/a	1800	1800	NE	No Shading
Bedroom 5	ALM-002-01 A	n/a	1800	900	NE	No Shading
Bedroom 5	ALM-002-01 A	n/a	1800	900	NE	No Shading
Study	ALM-002-01 A	n/a	2100	1800	NE	No Shading
Study	ALM-002-01 A	n/a	2100	900	SE	No Shading
Media	ALM-002-01 A	n/a	1800	900	NE	No Shading
Media	ALM-002-01 A	n/a	1800	900	NE	No Shading
Media	ALM-002-01 A	n/a	1800	900	NE	No Shading
Media	ALM-002-01 A	n/a	1200	1800	SE	No Shading

### 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-1	Fibro Cavity Panel Direct Fix	Anti-glare foil with bulk no gap R2	Yes

### External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
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Kitchen/Living	EW-1	8900	2740	SW	No	600
Kitchen/Living	EW-1	3400	2740	NW	No	600
Kitchen/Living	EW-1	2090	2740	NE	No	2900
Kitchen/Living	EW-1	7795	2740	SE	No	600
Laundry	EW-1	2290	2740	SW	No	600
Bathroom	EW-1	2290	2740	SW	No	600
Bedroom 1	EW-1	4090	2740	SW	No	600
W.I.R	EW-1	1990	2740	SW	No	600
E.S	EW-1	1495	2740	SW	No	600
E.S	EW-1	4395	2740	NW	No	600
E.S 2	EW-1	1990	2740	NW	No	600
Bedroom 2	EW-1	4095	2740	NW	No	600
Bedroom 2	EW-1	3795	2740	NE	No	600
Bedroom 3	EW-1	3290	2740	NE	No	600
Bedroom 4	EW-1	3290	2740	NE	No	600
Bedroom 5	EW-1	3290	2740	NE	No	600
Study	EW-1	3095	2740	NE	No	1500
Study	EW-1	1400	2740	SE	No	6900
Media	EW-1	500	2740	NW	No	19500
Media	EW-1	4200	2740	NE	No	600
Media	EW-1	5200	2740	SE	No	600
Media	EW-1	2000	2740	SW	No	600

## Internal wall type

Wall type	Area (m²)	Insulation	Wall wrap or foil
IW-1 - Cavity wall, direct fix plasterboard, single gap	253.0	No insulation	No

## Floors

Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
Kitchen/Living	Waffle pod slab 300 mm 100mm	85.7	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm
Laundry	Waffle pod slab 300 mm 100mm	4.8	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Bathroom	Waffle pod slab 300 mm 100mm	7.2	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Bedroom 1	Waffle pod slab 300 mm 100mm	19.5	None	Waffle Pod 300mm	Carpet 10mm
W.I.R	Waffle pod slab 300 mm 100mm	3.0	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm
W.I.R	Waffle pod slab 300 mm 100mm	3.1	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm
E.S	Waffle pod slab 300 mm 100mm	6.3	None	Waffle Pod 300mm	Ceramic Tiles 8mm
E.S 2	Waffle pod slab 300 mm 100mm	3.7	None	Waffle Pod 300mm	Ceramic Tiles 8mm

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Bedroom 2	Waffle pod slab 300 mm 100mm	18.6	None	Waffle Pod 300mm	Carpet 10mm
Bedroom 3	Waffle pod slab 300 mm 100mm	16.2	None	Waffle Pod 300mm	Carpet 10mm
Bedroom 4	Waffle pod slab 300 mm 100mm	15.5	None	Waffle Pod 300mm	Carpet 10mm
Bedroom 5	Waffle pod slab 300 mm 100mm	14.3	None	Waffle Pod 300mm	Carpet 10mm
Study	Waffle pod slab 300 mm 100mm	13.5	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm
Media	Waffle pod slab 300 mm 100mm	21.5	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm
Pantry	Waffle pod slab 300 mm 100mm	2.4	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm
W.C	Waffle pod slab 300 mm 100mm	2.2	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Hallway	Waffle pod slab 300 mm 100mm	11.4	None	Waffle Pod 300mm	Cork Tiles or Parquetry 8mm

## Ceiling type

Location	Construction	Added insulation	Roof space above
Kitchen/Living	Plasterboard	Bulk Insulation R3.5	Yes
Laundry	Plasterboard	Bulk Insulation R3.5	Yes
Bathroom	Plasterboard	Bulk Insulation R3.5	Yes
Bedroom 1	Plasterboard	Bulk Insulation R3.5	Yes
W.I.R	Plasterboard	Bulk Insulation R3.5	Yes
W.I.R	Plasterboard	Bulk Insulation R3.5	Yes
E.S	Plasterboard	Bulk Insulation R3.5	Yes
E.S 2	Plasterboard	Bulk Insulation R3.5	Yes
Bedroom 2	Plasterboard	Bulk Insulation R3.5	Yes
Bedroom 3	Plasterboard	Bulk Insulation R3.5	Yes
Bedroom 4	Plasterboard	Bulk Insulation R3.5	Yes
Bedroom 5	Plasterboard	Bulk Insulation R3.5	Yes
Study	Plasterboard	Bulk Insulation R3.5	Yes
Media	Plasterboard	Bulk Insulation R3.5	Yes
Pantry	Plasterboard	Bulk Insulation R3.5	Yes
W.C	Plasterboard	Bulk Insulation R3.5	Yes

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Hallway	Plasterboard	Bulk Insulation R3.5	Yes
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### Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
Bathroom	1	Exhaust Fans	300	Sealed
W.C	1	Exhaust Fans	300	Sealed

### Ceiling fans

Location	Number	Diameter (mm)
None Present		

### Roof type

Construction	Added insulation	Roof colour
Corrugated Iron	Bulk, Reflective Side Down, No Air Gap Above R1.3	Medium

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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](http://www.nathers.gov.au)

For more information on energy efficient design and insulation visit [www.yourhome.gov.au](http://www.yourhome.gov.au)