

Nationwide House Energy Rating Scheme* Certificate



Certificate number:

Certificate Date:

★ Star rating:

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:

Name:

Organisation:

Email:

Phone:

Declaration

of interest:

Software:

AAO:

Overview

Dwelling details

Street:

Suburb:

State:

Postcode:

Type:

NCC Class:

NatHERS

climate zone:

Lot/DP

number:

Exposure:

Key construction and insulation materials

(see following pages for details)

Construction:

Insulation:

Glazing:

Net floor area (m²)

Conditioned:

Unconditioned:

Garage:

TOTAL:

Annual thermal performance loads (MJ/m²)

Heating:

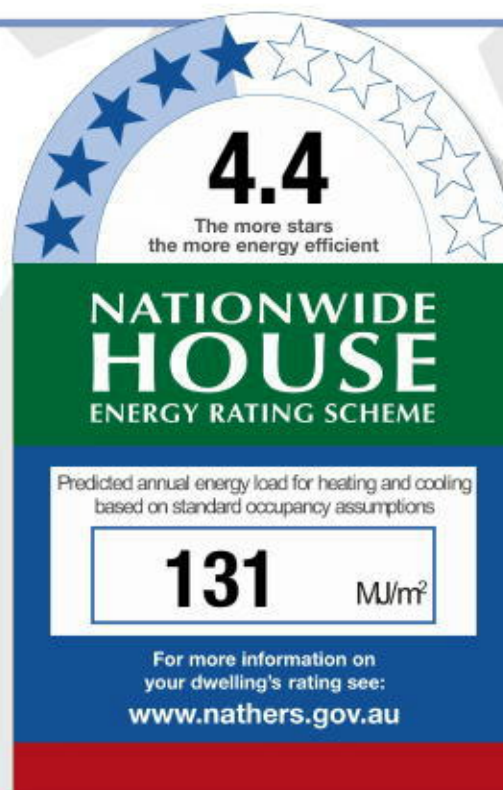
Cooling:

TOTAL:

Plan documents

Plan ref/date:

Prepared by:



Ceiling penetrations

(see following pages for details)

Sealed:

Unsealed:

TOTAL:**

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:

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If any of windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.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



* Nationwide House Energy Rating Scheme (NatHERS) is an initiative of the Australian, state and territory governments.
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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	6.70	0.70
ALM-001-01 A	ALM-001-01 A Aluminium A SG Clear	6.70	0.57

Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
LAUNDRY	ALM-002-01 A	n/a	1200	1210	E	No Shading
MEDIA	ALM-002-01 A	n/a	2050	610	S	No Shading
MEDIA	ALM-002-01 A	n/a	2050	610	S	No Shading
MEDIA	ALM-002-01 A	n/a	2050	610	S	No Shading
REAR HAL	ALM-002-01 A	n/a	1800	610	E	No Shading
BATH	ALM-002-01 A	n/a	2400	1810	E	No Shading
GUEST BEDROOM	ALM-002-01 A	n/a	900	2050	E	No Shading
LOUNGE	ALM-002-01 A	n/a	2400	1450	N	No Shading
LOUNGE	ALM-002-01 A	n/a	2400	1450	N	No Shading
ENTRY GALLERY	ALM-002-01 A	n/a	2057	405	N	No Shading
ENTRY GALLERY	ALM-002-01 A	n/a	2057	405	N	No Shading
ENTRY GALLERY	ALM-002-01 A	n/a	553	2050	N	No Shading
ENTRY GALLERY	ALM-002-01 A	n/a	960	2050	N	No Shading
ENTRY GALLERY	ALM-002-01 A	n/a	960	710	E	No Shading
STUDY	ALM-002-01 A	n/a	2057	850	N	No Shading
STUDY	ALM-002-01 A	n/a	2050	610	N	No Shading
STUDY	ALM-002-01 A	n/a	2050	610	N	No Shading
STUDY	ALM-002-01 A	n/a	2050	610	N	No Shading
STUDY	ALM-002-01 A	n/a	2057	850	E	No Shading
FAMILY MEALS KI	ALM-001-01 A	n/a	2400	4090	S	No Shading
FAMILY MEALS KI	ALM-001-01 A	n/a	1500	2909	S	No Shading
GARAGE	ALM-002-01 A	n/a	1200	2050	W	No Shading
GARAGE	ALM-002-01 A	n/a	1200	2050	W	No Shading
BED 4	ALM-002-01 A	n/a	900	2410	S	No Shading
BATH	ALM-002-01 A	n/a	1450	1210	E	No Shading
ENSUITE	ALM-002-01 A	n/a	2400	1210	E	No Shading
MASTER BED	ALM-002-01 A	n/a	2125	4090	N	No Shading
MASTER BED	ALM-002-01 A	n/a	600	2650	N	No Shading
RETREAT GALLERY	ALM-002-01 A	n/a	2400	1810	S	No Shading
RETREAT GALLERY	ALM-002-01 A	n/a	1200	2050	N	No Shading
RETREAT GALLERY	ALM-002-01 A	n/a	2150	2050	N	No Shading
RETREAT GALLERY	ALM-002-01 A	n/a	2150	710	E	No Shading
BED 3	ALM-002-01 A	n/a	900	2050	S	No Shading

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BED 2	ALM-002-01 A	n/a	600	2410	N	No Shading
BED 2	ALM-001-01 A	n/a	600	2410	N	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	AAC Cavity Panel Direct Fix	Bulk Insulation R2	No
EW-2	Stone, lined	Bulk Insulation R2	No
EW-3	AAC Cavity Panel Direct Fix	No insulation	No
EW-4	Weatherboard Cavity Panel Direct Fix	Bulk Insulation R2	No

External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
LAUNDRY	EW-1	1845	2610	S	No	4450
LAUNDRY	EW-1	850	2610	N	No	1550
LAUNDRY	EW-1	4050	2610	E	No	700
WC	EW-1	1840	2610	S	No	4450
MEDIA	EW-1	2400	2610	E	No	4400
MEDIA	EW-1	4900	2610	S	No	2025
MEDIA	EW-1	4795	2610	W	No	11150
REAR HAL	EW-1	1140	2610	E	No	1550
BATH	EW-1	2290	2610	E	No	0
GUEST BEDROOM	EW-1	2990	2610	E	No	0
LOUNGE	EW-1	5295	2610	N	No	0
LOUNGE	EW-1	2645	2610	E	No	0
ENTRY GALLERY	EW-1	3245	2610	N	No	3150
ENTRY GALLERY	EW-2	2500	2610	W	No	13950
ENTRY GALLERY	EW-2	2700	2610	N	No	0
ENTRY GALLERY	EW-2	1650	2610	E	No	0
STUDY	EW-1	1150	2610	W	No	7000
STUDY	EW-1	3700	2610	N	No	650
STUDY	EW-1	2500	2610	E	No	5950
FAMILY MEALS KI	EW-1	6000	2610	S	No	6825
FAMILY MEALS KI	EW-1	2050	2610	E	No	15300
FAMILY MEALS KI	EW-1	4400	2610	S	No	4750

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FAMILY MEALS KI	EW-1	1800	2610	W	No	750
GARAGE	EW-3	3145	2685	S	No	700
GARAGE	EW-3	11500	2685	W	No	650
GARAGE	EW-3	6345	2685	N	No	700
BED 4	EW-4	3550	2610	S	No	650
BED 4	EW-4	4495	2610	W	No	650
BED 4	EW-4	3695	2610	E	No	600
BATH	EW-1	2295	2610	E	No	650
BATH	EW-1	950	2610	S	No	4900
BATH	EW-4	545	2610	E	No	1600
ENSUITE	EW-1	2545	2610	E	No	650
ENSUITE	EW-1	1900	2610	S	No	600
MASTER BED	EW-1	5295	2610	N	No	650
MASTER BED	EW-1	3895	2610	E	No	650
RETREAT GALLERY	EW-4	2995	2610	S	No	1950
RETREAT GALLERY	EW-4	2050	2610	W	No	600
RETREAT GALLERY	EW-4	3200	2610	N	No	650
RETREAT GALLERY	EW-2	2500	2610	W	No	0
RETREAT GALLERY	EW-2	2700	2610	N	No	650
RETREAT GALLERY	EW-2	2600	2610	E	No	650
BED 3	EW-4	745	2610	S	No	1950
BED 3	EW-4	1300	2610	E	No	8900
BED 3	EW-4	3400	2610	S	No	650
BED 3	EW-4	2995	2610	W	No	600
BED 2	EW-4	1645	2610	W	No	600
BED 2	EW-4	1400	2610	S	No	600
BED 2	EW-4	3200	2610	W	No	600
BED 2	EW-4	3745	2610	N	No	600

Internal wall type

Wall type	Area (m²)	Insulation	Wall wrap or foil
IW-1 - Cavity wall, direct fix plasterboard, single gap	243	No insulation	No
IW-2 - Cavity wall, direct fix plasterboard, single gap	33	Bulk Insulation, No Air Gap R2	No
IW-3 - Cavity wall, direct fix plasterboard, single gap	7	Bulk Insulation, Air Gap R2	No

Floors

Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
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LAUNDRY	Waffle pod slab 300 mm	10.9	None	Waffle Pod 300mm	Ceramic Tiles 8mm
WC	Waffle pod slab 300 mm	4.1	None	Waffle Pod 300mm	Ceramic Tiles 8mm
MEDIA	Waffle pod slab 300 mm	23.2	None	Waffle Pod 300mm	Carpet 10mm
REAR HAL	Waffle pod slab 300 mm	6.3	None	Waffle Pod 300mm	Carpet 10mm
BATH	Waffle pod slab 300 mm	9.6	None	Waffle Pod 300mm	Ceramic Tiles 8mm
GUEST BEDROOM	Waffle pod slab 300 mm	11.8	None	Waffle Pod 300mm	Carpet 10mm
LOUNGE	Waffle pod slab 300 mm	13.7	None	Waffle Pod 300mm	Carpet 10mm
ENTRY GALLERY	Waffle pod slab 300 mm	36.2	None	Waffle Pod 300mm	Carpet 10mm
STUDY	Waffle pod slab 300 mm	16.4	None	Waffle Pod 300mm	Carpet 10mm
FAMILY MEALS KI	Waffle pod slab 300 mm	89.9	None	Waffle Pod 300mm	Ceramic Tiles 8mm
GARAGE	Waffle pod slab 300 mm	54.9	None	Waffle Pod 300mm	Bare
BED 4/MEDIA	Timber Above Plasterboard	11.2		No Insulation	Carpet 10mm
BED 4/REAR HAL	Timber Above Plasterboard	0.5		No Insulation	Carpet 10mm
BED 4/FAMILY MEALS KI	Timber Above Plasterboard	1.9		No Insulation	Carpet 10mm
BATH/LAUNDRY	Timber Above Plasterboard	1.0		No Insulation	Ceramic Tiles 8mm
BATH/REAR HAL	Timber Above Plasterboard	4.0		No Insulation	Ceramic Tiles 8mm
BATH/BATH	Timber Above Plasterboard	1.3		No Insulation	Ceramic Tiles 8mm
BATH/FAMILY MEALS KI	Timber Above Plasterboard	2.5		No Insulation	Ceramic Tiles 8mm
ENSUITE/BATH	Timber Above Plasterboard	4.1		No Insulation	Ceramic Tiles 8mm
ENSUITE/GUEST BEDROOM	Timber Above Plasterboard	1.9		No Insulation	Ceramic Tiles 8mm
MASTER BED/BATH	Timber Above Plasterboard	3.3		No Insulation	Carpet 10mm
MASTER BED/GUEST BEDROOM	Timber Above Plasterboard	10.1		No Insulation	Carpet 10mm
MASTER BED/LOUNGE	Timber Above Plasterboard	8.8		No Insulation	Carpet 10mm
MASTER BED/ENTRY GALLERY	Timber Above Plasterboard	3.5		No Insulation	Carpet 10mm
MASTER BED/FAMILY MEALS KI	Timber Above Plasterboard	1.6		No Insulation	Carpet 10mm
RETREAT GALLERY/ENTRY GALLERY	Timber Above Plasterboard	32.7		No Insulation	Carpet 10mm
RETREAT GALLERY/FAMILY MEALS KI	Timber Above Plasterboard	19.0		No Insulation	Carpet 10mm

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BED 3/FAMILY MEALS KI	Timber Above Plasterboard	14.0	No Insulation	Carpet 10mm
BED 2/FAMILY MEALS KI	Timber Above Plasterboard	14.3	No Insulation	Carpet 10mm

Ceiling type

Location	Construction	Added insulation	Roof space above
LAUNDRY	Plasterboard	Bulk Insulation R3	Yes
LAUNDRY	Timber Above Plasterboard	No Insulation	No
WC	Plasterboard	Bulk Insulation R3	Yes
MEDIA	Plasterboard	Bulk Insulation R3	Yes
MEDIA	Timber Above Plasterboard	No Insulation	No
REAR HAL	Plasterboard	Bulk Insulation R3	Yes
REAR HAL	Timber Above Plasterboard	No Insulation	No
BATH	Plasterboard	Bulk Insulation R3	Yes
BATH	Timber Above Plasterboard	No Insulation	No
GUEST BEDROOM	Timber Above Plasterboard	No Insulation	No
LOUNGE	Timber Above Plasterboard	No Insulation	No
ENTRY GALLERY	Timber Above Plasterboard	No Insulation	No
STUDY	Plasterboard	Bulk Insulation R3	Yes
FAMILY MEALS KI	Plasterboard	Bulk Insulation R3	Yes
FAMILY MEALS KI	Timber Above Plasterboard	No Insulation	No
GARAGE	Plasterboard	No insulation	Yes
BED 4	Plasterboard	Bulk Insulation R3	Yes
BATH	Plasterboard	Bulk Insulation R3	Yes
ENSUITE	Plasterboard	Bulk Insulation R3	Yes
MASTER BED	Plasterboard	Bulk Insulation R3	Yes
RETREAT GALLERY	Plasterboard	Bulk Insulation R3	Yes
BED 3	Plasterboard	Bulk Insulation R3	Yes
BED 2	Plasterboard	Bulk Insulation R3	Yes

Ceiling penetrations

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

Ceiling fans

Location	Number	Diameter (mm)
None Present		

Roof type

Construction	Added insulation	Roof colour
Corrugated Iron	Bulk, Reflective Side Down, Anti-glare Up R1.3	Dark

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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

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