

Nationwide House Energy Rating Scheme* Certificate

Certificate number: 0004278362-01

Certificate Date: 16 Oct 2019

★ Star rating: 4.9



Assessor details

Accreditation number: **20517**
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Declaration of interest: **No potential conflicts of interest to declare**
Software: **AccuRate Sustainability V2.3.3.13 SP4**
AAO: **ABSA**

Overview

Dwelling details

Street: **143 Mccarrs Creek Road**
Suburb: **Church Point**
State: **NSW** Postcode: **2105**
Type: **New** NCC Class: **1a**
NatHERS climate zone: **56**
Lot/DP number: **Lot 2 DP 600756** Exposure: **Suburban**

Key construction and insulation materials

(see following pages for details)

Construction: **Fibre-cement wall**
Metal roof/Plasterboard
Timber/Steel
Insulation: **R2.0 wall insulation**
R3.0 floor insulation
Glazing: **Al Thermally Broken B DG Argon Fill**
Low Solar

Net floor area (m²)

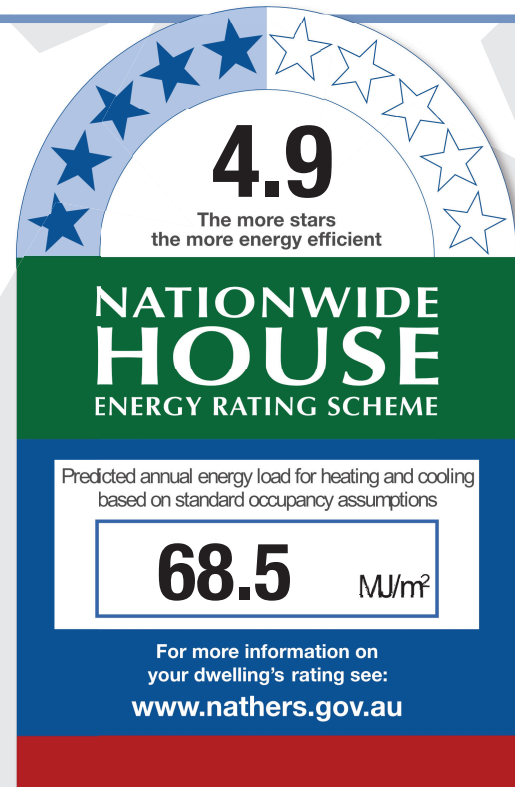
Conditioned: **180.6**
Unconditioned: **13.7**
Garage:
TOTAL: **194.4**

Annual thermal performance loads (MJ/m²)

Heating: **42.6**
Cooling: **25.9**
TOTAL: **68.5**

Plan documents

Plan ref/date: **SK02**
Prepared by: **PP**



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 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: **No Ceiling Penetration Downlights**

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 **4.9**
+10% SHGC **4.9**

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.



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Building features

Window type and performance value

Window ID	Window type	U-value	SHGC
ATB-006-04 B	DEFAULTS: Al Thermally Broken B DG Argon Fill Low Solar Gain low-E -Clear	3.0	0.26

Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
L/K/Entry Zone : 1	ATB-006-04 B	D03 L/K W 2.7x 3.6 ASD	2700	3600	W	Roller shutters
L/K/Entry Zone : 1	ATB-006-04 B	D04 L/K W 2.7x 3.6 ASD	2700	3600	W	Roller shutters
L/K/Entry Zone : 1	ATB-006-04 B	D05 L/K 2.7 x 3.6 ASD	2700	3600	W	Roller shutters
L/K/Entry Zone : 1	ATB-006-04 B	L/K/D N AFW 4.8 x 1.22	1220	4800	N	Roller shutters
Bath Zone : 3	ATB-006-04 B	W02 Bath W 750h x 2.1w AL/F/SW	750	2100	W	Roller shutters
B2 Zone : 4	ATB-006-04 B	W10 B2 E 2.1h x 2.1 ASD	2100	2100	N	Roller shutters
B3 Zone : 7	ATB-006-04 B	D08 B3 E 2.1 x 2.1 ASD	2100	2100	E	Roller shutters
B4 Zone : 8	ATB-006-04 B	B4 E 2.1x2.1 ASD	2100	2100	E	Roller shutters
B1 Zone : 9	ATB-006-04 B	W04 B1 W 2.4h x 3.0w ASD	2400	3000	W	Roller shutters
E/S Zone : 10	ATB-006-04 B	W01 E/S E 2.7h x 1.5 w AL/FW	2700	1500	E	Roller shutters
Laundry/Bath Zone : 11	ATB-006-04 B	W03 Laundry E 1.1h x750 w ASW	1100	750	E	Roller shutters
Laundry/Bath Zone : 11	ATB-006-04 B	W04 Laundry E 1.1h x750 w ASW	1100	750	E	Roller shutters

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-007	Fibre-cement sheet/Plasterboard	Rockwool batt: R2.0	Yes
EW-011	Fibre-cement sheet/Plasterboard	Polystyrene expanded: R2.5	No

External wall schedule

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Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
L/K/Entry Zone : 1	EW-007	11800	4000	W	Yes	720
L/K/Entry Zone : 1	EW-007	7000	4900	S	Yes	600
L/K/Entry Zone : 1	EW-011	15590	2800	E	No	
L/K/Entry Zone : 1	EW-011	2100	1760	S	No	
L/K/Entry Zone : 1	EW-007	5000	2000	N	Yes	600
L/K/Entry Zone : 1	EW-011	3600	2800	E	No	
Bath Zone : 3	EW-007	2600	2400	W	Yes	720
B2 Zone : 4	EW-007	4100	3050	N	Yes	600
Entry Zone : 5	EW-007	2800	2650	W	Yes	600
Entry Zone : 5	EW-007	2400	2400	N	Yes	720
B3 Zone : 7	EW-007	4400	2400	E	Yes	720
B3 Zone : 7	EW-007	4050	2730	N	Yes	600
B4 Zone : 8	EW-007	4400	2400	E	Yes	720
B1 Zone : 9	EW-007	4000	4600	W	Yes	1620
B1 Zone : 9	EW-007	4000	4300	S	Yes	1200
B1 Zone : 9	EW-007	1700	3640	S	Yes	720
E/S Zone : 10	EW-007	2200	3640	E	Yes	720
E/S Zone : 10	EW-007	2150	3820	S	Yes	600
Laundry/Bath Zone : 11	EW-007	2700	2650	E	Yes	600
Laundry/Bath Zone : 11	EW-007	2600	3000	N	Yes	720

Internal wall type

ID	Wall type	Area (m²)	Insulation	Wall wrap or foil
IW-001	Plasterboard	123.1		No
IW-004	Plasterboard	45.8	Glass fibre batt: R2.0	No

Floors

Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
L/K/Entry Zone : 1/Outdoor Air	ceramic tiles FC /R3 framed floor/FC	11.2		R3.0	Ceramic tile
L/K/Entry Zone : 1/Outdoor Air	Timber Floor/timber +R3 /Colorbond Ceiling : 13	57.0		R3.0	
Bath Zone : 3/Outdoor Air	ceramic tiles FC /R3 framed floor/FC	7.8		R3.0	Ceramic tile
B2 Zone : 4/Outdoor Air	Timber Floor/timber +R3 /Colorbond Ceiling : 13	14.4		R3.0	
Entry Zone : 5/Outdoor Air	Timber Floor/timber +R3 /Colorbond Ceiling : 13	7.7		R3.0	
Rumpus Zone : 6/Outdoor Air	Timber Floor/timber +R3 /Colorbond Ceiling : 13	24.3		R3.0	
B3 Zone : 7/Outdoor Air	ceramic tiles FC /R3 framed floor/FC	17.8		R3.0	Ceramic tile
B4 Zone :	Timber Floor/timber +R3	17.6		R3.0	

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Building features continued

8/Outdoor Air	/Colorbond Ceiling : 13			
B1 Zone :	Timber Floor/timber +R3	23.3	R3.0	
9/Outdoor Air	/Colorbond Ceiling : 13			
E/S Zone :	ceramic tiles FC /R3 framed	4.7	R3.0	Ceramic tile
10/Outdoor Air	floor/FC			
Laundry/Bath	ceramic tiles FC /R3 framed	5.9	R3.0	Ceramic tile
Zone : 11/Outdoor	floor/FC			
Air				
Hall (adj	Timber Floor/timber +R3	2.6	R3.0	
BedRms)2/3Zone :	/Colorbond Ceiling : 13			
11/Outdoor Air				

Ceiling type

Location	Construction	Added insulation	Roof space above
None Present			

Ceiling penetrations

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

Ceiling fans

Location	Number	Diameter (mm)
None Present		

Roof type

Construction	Added insulation	Roof colour
Metal deck/Anticon R1.5/R3.5/plasterbd	R5.0	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

For more information on energy efficient design and insulation visit www.yourhome.gov.au

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