

Nationwide House Energy Rating Scheme* Certificate



Certificate number: **0002934990**

Certificate Date: **10 Jul 2018**

★ Star rating: **7.0**

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: **VIC/BDAY/13/1511**

Name: **APEART**

Organisation: **APEART BUILDING DESIGN**

Email: **tony@peart.com.au**

Phone: **0423005026**

Declaration of interest: **None**

Software: **BERS Pro v4.3.0.2c (3.13)**

AAO: **BDAY**

Overview

Dwelling details

Street: **1 GARNER ST**

Suburb: **ST MARYS**

State: **NSW**

Postcode: **2760**

Type: **New Dwelling**
Unit 401

NCC Class: **1A**

NatHERS

climate zone: **2B**

Lot/DP

number: **3/508698**

Exposure: **Open**

Key construction and insulation materials

(see following pages for details)

Construction: **Brick Veneer**

Concrete

Concrete Slab, Unit Below

Insulation:

Reflective wall insulation

R2.0 ceiling insulation

No floor insulation

Glazing:

ALM-002-01 A Aluminium B SG Clear

Net floor area (m²)

Conditioned: **78.0**

Unconditioned: **5.0**

Garage: **0.0**

TOTAL: **83.0**

Annual thermal performance loads (MJ/m²)

Heating: **39.5**

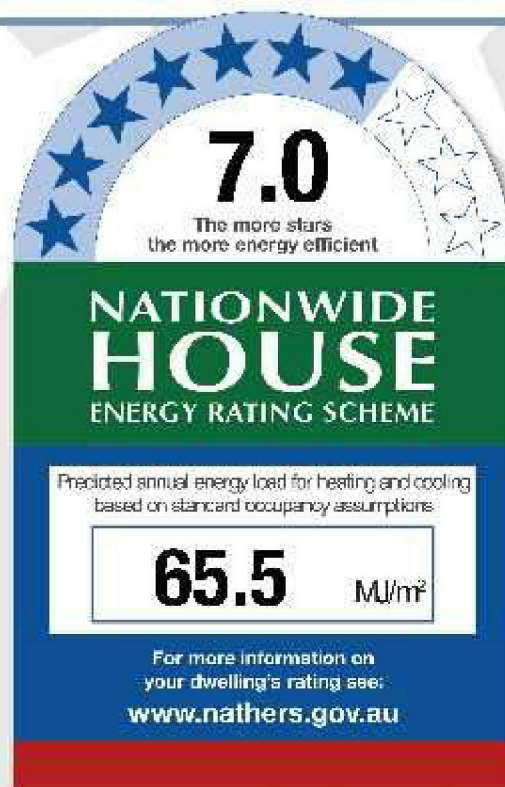
Cooling: **26.1**

TOTAL: **65.5**

Plan documents

Plan ref/date: **18-115 070718**

Prepared by: **CDL**



Ceiling penetrations

(see following pages for details)

Sealed: **0**

Unsealed: **0**

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 daylight type: **Unknown**

Window selection - default windows only

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

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

NB: This tolerance ONLY applies to SFGC, 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	900	1800	W	No Shading
Kitchen/Living	ALM-002-01 A	n/a	900	1800	W	No Shading
Kitchen/Living	ALM-002-01 A	n/a	2400	4200	N	No Shading
Bedroom 1	ALM-002-01 A	n/a	900	1800	S	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	Brick Veneer	Foil. Anti-glare one side, Reflective other	Yes

External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
Kitchen/Living	EW-1	11395	2800	E	No	0
Kitchen/Living	EW-1	8795	2800	W	No	0
Kitchen/Living	EW-1	6600	2800	N	No	2800
Bedroom 1	EW-1	3195	2800	S	No	0
Bedroom 1	EW-1	3995	2800	W	No	0

Internal wall type

Wall type	Area (m²)	Insulation	Wall wrap or foil
IW-1 - Cavity wall, direct fix plasterboard, single gap	47.0	No insulation	No
IW-2 - Brick, multi plaster layers	13.0	No insulation one side, Bulk Insulation R1	No

Floors

Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
Kitchen/Living	Concrete Slab, Unit Below	61.4	None	No Insulation	60/40 Carpet

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Building features continued

Bedroom 1	150mm Concrete Slab, Unit Below 150mm	12.5	None	No Insulation	Carpet
WC	150mm Concrete Slab, Unit Below 150mm	4.5	None	No Insulation	Tiles
ES	150mm Concrete Slab, Unit Below 150mm	4.5	None	No Insulation	Tiles

Ceiling type

Location	Construction	Added insulation	Roof space above
Kitchen/Living	Concrete, Plasterboard	Bulk Insulation R2	No
Bedroom 1	Concrete, Plasterboard	Bulk Insulation R2	No
WC	Concrete, Plasterboard	Bulk Insulation R2	No
ES	Concrete, Plasterboard	Bulk Insulation R2	No

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
Concrete	Bulk Insulation, No Air Gap Above R2	Medium