

Assessor Certificate

Assessed and issued in accordance with the BASIX
Thermal Comfort Protocol for the Simulation Method



Date: 28 May 2020 BSA File ref: 14396

Assessor

Name: Gavin Chambers Company: Building Sustainability Assessments Assessor #: BDAV/13/1491

Address: 7 William Street, HAMILTON NSW 2303

Phone: (02) 4962 3439

Email: enquiries@buildingsustainability.net.au

Declaration of interest in the project design: None

Project

Address: 790A Barrenjoey Road

PALM BEACH NSW 2108

Assessment

Software: BERS Pro 4.4

BERS File Run Ref: 14396 - R_6

Documentation

All details, upon which this assessment has been based, are included in the project documentation that has been stamped and signed by the Assessor issuing this certificate, as identified below:

Drawings used for this assessment: (Title, Ref.#, Revision, Issue date, etc)

for J + B Ritchie 25.05.2020 B

Thermal Performance Specification (copy below) is
attached to the drawings and is on page:

dwg no. 3

April 2020 BSA Reference: 14396
Building Sustainability Assessments Ph: (02) 4962 3439
enquiries@buildingsustainability.net.au www.buildingsustainability.net.au

Important Note

The following specification was used to achieve the thermal performance values indicated on the Assessor Certificate and takes precedence over any other specification.
If different construction elements are applied then the Assessor Certificate is no longer valid.

Thermal Performance Specifications (does not apply to garage)

External Wall Construction	Added Insulation
Lightweight	R2.7
Core filled concrete block	None
Internal Wall Construction	Added Insulation
Plasterboard on studs	None

Ceiling Construction	Added Insulation
Plasterboard	R5.4 to ceilings adjacent to roof space

Roof Construction	Colour	Added Insulation
Metal	Any	Foil + R1.0 blanket

Floor Construction	Covering	Added Insulation
Concrete	As drawn	None
Timber	As drawn	R2.0 to enclosed and to open subfloor

Windows	Glass and frame type	U Value	SHGC Range	Area sq m
Performance glazing Type A		4.30	0.42 - 0.52	As drawn
Performance glazing Type B		4.30	0.48 - 0.58	As drawn

Type A windows are awning windows, bifolds, casements, tilt 'n' turn windows, entry doors, french doors
Type B windows are double hung windows, sliding windows & doors, fixed windows, stacker doors, louvers

Skylights	Glass and frame type	U Value	SHGC	Area sq m
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U and SHGC values are according to AFRC. Alternate products may be used if the U value is lower and the SHGC is within the range specified

External Window Shading (eaves, verandahs, pergolas, awnings etc)

All shade elements modelled as drawn

Ceiling Penetrations (downlights, exhaust fans, flues etc)

No adjustment has been made for losses to insulation arising from ceiling penetrations.

BASIX Project Details

(enter these details on the Site Details page)

Conditioned Floor Area: 56 m²

Unconditioned Floor Area: 6 m²

BASIX Thermal Comfort Details

(enter these details on the Assessor Details page)

Assessor Number: BDAV/13/1491

Certificate Number: 0004871943

Climate Zone: 56

(enter these details on the Construction page)

Concrete slab on ground: 40 m²

Suspended floor open subfloor: 12 m²

Suspended floor enclosed subfloor: 5 m²

Suspended floor above building: 0

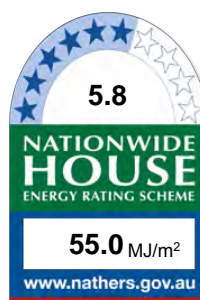
(enter these details on the Thermal Loads page)

Heating: 42 (MJ/m²/annum)

Cooling: 14 (MJ/m²/annum)

Total: 56 (MJ/m²/annum)

Stars: 5.8 (NatHERS)



Certificate no.: 0004871943

Assessor Name: Gavin Chambers

Accreditation no.: VIC/BDAV/13/1491

Certificate date: 28 May 2020

Dwelling Address:

2nd, 790A Barrenjoey Road
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2108



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