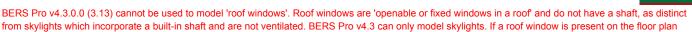
Certificate number: 0004077327-01 Certificate Date: 05 Aug 2019 ★ Star rating: 5.3



then this certificate is not valid.

Assessor details

Accreditation

number: 20374

Name: Stephen Collins

Organisation: Concept Designs Australia
Email: conceptdesigns@tpg.com.au

Phone: **0418 877 571**

Declaration None

of interest:

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

AAO: ABSA

Overview

Dwelling details

Street: 24 Sir Thomas Mitchell Drive

Suburb: **DAVIDSON**

State: NSW Postcode: 2085
Type: New Dwelling NCC Class: 1A

NatHERS

Lot/DP climate zone: **56**

number: 28/242262 Exposure: Suburban

Key construction and insulation materials

(see following pages for details)

Construction: Fibro Cavity Panel Direct Fix

Corrugated Iron

Suspended Timber Floor

Insulation: R2.0 wall insulation

R6.0 ceiling insulation
No floor insulation

Glazing: RYL-322-213 A AA Series Casement

Window DG 4-12Ar-4ET

Net floor area (m²)

 Conditioned:
 225.0

 Unconditioned:
 73.0

 Garage:
 50.0

 TOTAL:
 298.0

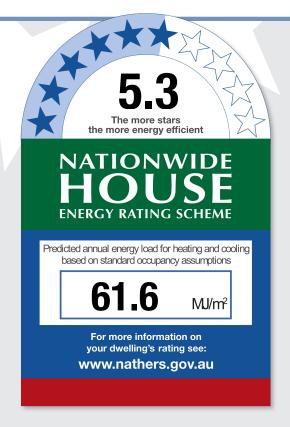
Annual thermal performance loads (MJ/m²)

Heating: **39.1**Cooling: **22.5**TOTAL: **61.6**

Plan documents

Plan ref/date: W35

Prepared by: **Envirotecture**



Ceiling penetrations

(see following pages for details)

Sealed: 64
Unsealed: 0
TOTAL:** 64

**NOTE: This total is the maximum number of ceiling penetrations allowed to a ceiling (under a roof) for this certificate. If this number is exceded 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: **LED**

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 | | |
| RYL-322-213 A | RYL-322-213 A AA Series Casement Window DG 4-12Ar-4ET | 3.1 | 0.49 | | |
| RYL-302-013 A | RYL-302-013 A AA Series Fixed Lite Window DG 4-12Ar-4ET | 2.3 | 0.61 | | |
| RYL-312-113 A | RYL-312-113 A AA Series Awning Window DG 4-12Ar-4ET | 3.1 | 0.49 | | |
| RYL-372-713 A | RYL-372-713 A AA Series Hinged Door DG 4-12Ar-4ET | 3.3 | 0.44 | | |
| RYL-342-413 A | RYL-342-413 A AA Series Sliding Window in-line reveal DG 4-12Ar-4ET | 3.1 | 0.56 | | |
| RYL-362-613 A | RYL-362-613 A AA Series Sliding Door DG 4-12Ar-4ET | 3.2 | 0.58 | | |

Window schedule

| Location | Window ID | Window no. | Height (mm) | Width (mm) | Orientation | Outdoor shade |
|----------------|---------------|------------|-------------|------------|-------------|---------------|
| Guest Bed | RYL-322-213 A | n/a | 600 | 600 | W | No Shading |
| Guest Bed | RYL-302-013 A | n/a | 600 | 1500 | W | No Shading |
| Guest Bath | RYL-312-113 A | n/a | 600 | 900 | W | No Shading |
| Rumpus | RYL-372-713 A | n/a | 2100 | 900 | Е | No Shading |
| Rumpus | RYL-322-213 A | n/a | 1500 | 600 | Е | No Shading |
| Rumpus | RYL-312-113 A | n/a | 900 | 900 | S | No Shading |
| Rumpus | RYL-312-113 A | n/a | 900 | 900 | S | No Shading |
| Rumpus | RYL-312-113 A | n/a | 600 | 1800 | W | No Shading |
| Entry/Plant | RYL-302-013 A | n/a | 650 | 650 | E | No Shading |
| Entry/Plant | RYL-372-713 A | n/a | 2140 | 1600 | S | No Shading |
| Entry/Plant | RYL-302-013 A | n/a | 650 | 650 | S | No Shading |
| Bedroom 1 | RYL-372-713 A | n/a | 2100 | 1800 | N | No Shading |
| Bedroom 1 | RYL-322-213 A | n/a | 2100 | 600 | Е | No Shading |
| Bedroom 1 | RYL-322-213 A | n/a | 2100 | 600 | Е | No Shading |
| Bedroom 1 | RYL-322-213 A | n/a | 2100 | 1075 | S | No Shading |
| WIR | RYL-322-213 A | n/a | 2100 | 800 | N | No Shading |
| Ensuite | RYL-322-213 A | n/a | 2100 | 450 | N | No Shading |
| Stair | RYL-302-013 A | n/a | 650 | 650 | Е | No Shading |
| Stair | RYL-302-013 A | n/a | 650 | 650 | Е | No Shading |
| Stair | RYL-302-013 A | n/a | 1900 | 900 | S | No Shading |
| Stair | RYL-302-013 A | n/a | 650 | 650 | S | No Shading |
| Stair | RYL-302-013 A | n/a | 650 | 650 | S | No Shading |
| Bedroom 2 | RYL-342-413 A | n/a | 1900 | 3600 | S | No Shading |
| Study | RYL-372-713 A | n/a | 2100 | 1800 | S | No Shading |
| Study | RYL-322-213 A | n/a | 1500 | 900 | W | No Shading |
| Bedroom 3 | RYL-322-213 A | n/a | 1500 | 900 | W | No Shading |
| Bedroom 3 | RYL-372-713 A | n/a | 2100 | 1800 | N | No Shading |
| Bath FF | RYL-322-213 A | n/a | 1500 | 1800 | N | No Shading |
| WC FF | RYL-312-113 A | n/a | 700 | 900 | N | No Shading |
| Kitchen/Living | RYL-312-113 A | n/a | 1200 | 1400 | N | No Shading |
| Kitchen/Living | RYL-312-113 A | n/a | 1200 | 1400 | N | No Shading |
| Kitchen/Living | RYL-362-613 A | n/a | 2100 | 3300 | N | No Shading |
| Kitchen/Living | RYL-302-013 A | n/a | 650 | 650 | Е | No Shading |
| Kitchen/Living | RYL-302-013 A | n/a | 650 | 650 | E | No Shading |
| Kitchen/Living | RYL-342-413 A | n/a | 1500 | 3000 | S | No Shading |
| Kitchen/Living | RYL-362-613 A | n/a | 2100 | 1800 | S | No Shading |
| Kitchen/Living | RYL-362-613 A | n/a | 2100 | 3400 | S | No Shading |

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| Building features continued | | | | | | |
|-----------------------------|---------------|-----|------|------|---|------------|
| Kitchen/Living | RYL-312-113 A | n/a | 600 | 5000 | W | No Shading |
| Kitchen/Living | RYL-302-013 A | n/a | 800 | 1000 | S | No Shading |
| Ldry | RYL-312-113 A | n/a | 600 | 1800 | Е | No Shading |
| WC Ldry | RYL-322-213 A | n/a | 2100 | 900 | N | No Shading |

| Roof windo | w and skyligh | nt type and performanc | e value | | | | | |
|-----------------------------------|---------------|--------------------------|-----------|-------------|---------------|--------------------------|--|--|
| ID | Window | type | | | U-value | SHGC | | |
| None Presen | t | | | | | | | |
| Roof window and skylight schedule | | | | | | | | |
| Location | ID | Roof window/skylight no. | Area (m²) | Orientation | Outdoor shade | Indoor shade/diffuser | | |
| None Presen | t | | | | | | | |

| External wall | l type | | | | | |
|---------------|----------------|-----------------------|-----------------|-------------|-------------|------------------|
| ID | Wall type | | Insulation | | Wa | III wrap or foil |
| EW-1 | Concrete bloc | k, lined | Bulk Insulation | n R2 | No |) |
| EW-2 | Concrete Bloc | k | No insulation | | No |) |
| EW-3 | Fibro Cavity P | anel Direct Fix | Bulk Insulation | n R2 | No |) |
| EW-4 | Metal Clad Ca | vity Panel Direct Fix | Bulk Insulation | n R2 | No |) |
| External wall | l schedule | | | | | |
| Location | ID | Width (mm) | Height (mm) | Orientation | Fixed Shade | Eaves (mm) |
| Guest Bed | EW-1 | 4300 | 2000 | N | No | 0 |
| Guest Bed | EW-1 | 4300 | 550 | N | No | 0 |
| Guest Bed | EW-1 | 1400 | 2000 | Е | No | 0 |
| Guest Bed | EW-1 | 1400 | 550 | Е | No | 10900 |
| Guest Bed | EW-1 | 3630 | 1300 | W | No | 0 |
| Guest Bed | EW-1 | 3630 | 1250 | W | No | 700 |
| Guest Bath | EW-1 | 1760 | 1200 | W | No | 0 |
| Guest Bath | EW-1 | 1760 | 1350 | W | No | 700 |
| Rumpus | EW-1 | 2600 | 2550 | Е | No | 9700 |
| Rumpus | EW-1 | 4300 | 2550 | S | No | 400 |
| Rumpus | EW-1 | 2800 | 2550 | W | No | 0 |
| Rumpus | EW-1 | 2230 | 1000 | W | No | 0 |
| Rumpus | EW-1 | 2230 | 1551 | W | No | 700 |
| Garage | EW-2 | 9605 | 1800 | N | No | 0 |
| Garage | EW-2 | 9605 | 750 | N | No | 1200 |
| Garage | EW-2 | 2705 | 1300 | Е | No | 0 |
| Garage | EW-2 | 2705 | 1250 | Е | No | 1200 |
| Garage | EW-2 | 6010 | 2550 | S | No | 2500 |
| Entry/Plant | EW-1 | 5305 | 1000 | Е | No | 0 |
| Entry/Plant | EW-1 | 5305 | 1550 | Е | No | 0 |
| Entry/Plant | EW-1 | 3500 | 2550 | S | No | 1000 |

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| Building featu | res continue | ed | | | | |
|----------------|--------------|------|------|---|----|-------|
| Entry/Plant | EW-1 | 1500 | 2550 | W | No | 10500 |
| Bedroom 1 | EW-3 | 3995 | 2550 | N | No | 600 |
| Bedroom 1 | EW-3 | 5000 | 2550 | Е | No | 850 |
| Bedroom 1 | EW-3 | 1300 | 2550 | S | No | 600 |
| WIR | EW-3 | 1990 | 2550 | N | No | 600 |
| Ensuite | EW-3 | 1390 | 2550 | N | No | 4900 |
| Stair | EW-3 | 3995 | 2550 | Е | No | 0 |
| Stair | EW-3 | 4095 | 2550 | S | No | 0 |
| Bedroom 2 | EW-3 | 5495 | 2550 | S | No | 1500 |
| Bedroom 2 | EW-3 | 1300 | 2550 | W | No | 3600 |
| Study | EW-3 | 3595 | 2550 | S | No | 2800 |
| Study | EW-3 | 2100 | 2550 | W | No | 0 |
| Study | EW-3 | 1495 | 2550 | W | No | 800 |
| Bedroom 3 | EW-3 | 4095 | 2550 | W | No | 800 |
| Bedroom 3 | EW-3 | 3595 | 2550 | N | No | 600 |
| Bath FF | EW-3 | 2190 | 2550 | N | No | 4900 |
| WC FF | EW-3 | 1290 | 2550 | N | No | 4900 |
| Kitchen/Living | EW-3 | 9595 | 2535 | N | No | 800 |
| Kitchen/Living | EW-3 | 1295 | 3000 | Е | No | 500 |
| Kitchen/Living | EW-3 | 2700 | 1700 | Е | No | 400 |
| Kitchen/Living | EW-3 | 1300 | 1700 | S | No | 200 |
| Kitchen/Living | EW-3 | 7000 | 2535 | S | No | 1400 |
| Kitchen/Living | EW-3 | 2100 | 2700 | W | No | 4700 |
| Kitchen/Living | EW-3 | 4000 | 2800 | S | No | 3500 |
| Kitchen/Living | EW-3 | 5700 | 3200 | W | No | 700 |
| Ldry | EW-4 | 2790 | 2535 | Е | No | 500 |
| WC Ldry | EW-3 | 2695 | 2535 | N | No | 800 |
| WC Ldry | EW-3 | 995 | 2535 | E | No | 500 |

| Internal wall type | | | | | | |
|---|-----------|--------------------------------|-------------------|--|--|--|
| Wall type | Area (m²) | Insulation | Wall wrap or foil | | | |
| IW-1 - Concrete Block | 36.0 | Bulk Insulation, No Air Gap R2 | No | | | |
| IW-2 - Concrete Block | 22.0 | No insulation | No | | | |
| IW-3 - Cavity wall, direct fix plasterboard, single gap | 145.0 | No insulation | No | | | |

| Floors | | | | | |
|------------|----------------------------------|-----------|-----------------------|--|--------------------------------|
| Location | Construction | Area (m²) | Sub floor ventilation | Added insulation | Covering |
| Guest Bed | Concrete Slab on Ground 100mm | 15.4 | None | Bulk Insulation in Contact with Floor R1 | Carpet+Rubber Underlay 18mm |
| Guest Bath | Concrete Slab on Ground 100mm | 4.5 | None | Bulk Insulation in Contact with Floor R1 | Ceramic Tiles 8mm |
| Rumpus | Concrete Slab on Ground | 24.3 | None | Bulk Insulation | Cork Tiles or |

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Building features continued

| 5 | | | | | |
|--------------------------|------------------------------------|------|-----------|--|--------------------------------|
| | 100mm | | | in Contact with Floor R1 | Parquetry 8mm |
| Garage | Concrete Slab on Ground 100mm | 50.0 | None | No Insulation | Bare |
| Entry/Plant | Concrete Slab on Ground 100mm | 18.2 | None | Bulk Insulation in Contact with Floor R1 | Cork Tiles or Parquetry 8mm |
| Bedroom 1/Garage | Timber Above Plasterboard 19mm | 7.4 | | Bulk Insulation R4 | Carpet+Rubber Underlay 18mm |
| Bedroom 1/Entry/Plant | Timber Above Plasterboard 19mm | 2.1 | | No Insulation | Carpet+Rubber Underlay 18mm |
| Bedroom 1 | Suspended Timber Floor 19mm | 10.1 | Very Open | | Carpet+Rubber Underlay 18mm |
| WIR/Garage | Timber Above Plasterboard 19mm | 4.9 | | Bulk Insulation R4 | Carpet+Rubber Underlay 18mm |
| WIR | Suspended Timber Floor 19mm | 2.6 | Very Open | | Carpet+Rubber Underlay 18mm |
| Ensuite/Garage | Timber Above Plasterboard 19mm | 3.4 | | Bulk Insulation R4 | Ceramic Tiles 8mm |
| Ensuite | Suspended Timber Floor 19mm | 1.8 | Very Open | Bulk Insulation in Contact with Floor R2 | |
| Stair/Garage | Timber Above Plasterboard 19mm | 1.8 | | Bulk Insulation R4 | Cork Tiles or Parquetry 8mm |
| Stair/Entry/Plant | Timber Above Plasterboard 19mm | 13.7 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Stair | Suspended Timber Floor 19mm | 0.5 | Very Open | Bulk Insulation in Contact with Floor R2 | Cork Tiles or Parquetry 8mm |
| Hall/Garage | Timber Above Plasterboard 150mm | 13.8 | | Bulk Insulation R4 | Cork Tiles or Parquetry 8mm |
| Hall/Entry/Plant | Timber Above Plasterboard 150mm | 0.6 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Bedroom 2/Garage | Timber Above Plasterboard 19mm | 12.8 | | Bulk Insulation R4 | Carpet+Rubber Underlay 18mm |
| Bedroom 2 | Suspended Timber Floor 19mm | 4.8 | Very Open | Bulk Insulation in Contact with Floor R2 | Carpet+Rubber Underlay 18mm |
| Study/Guest Bath | Timber Above Plasterboard 150mm | 2.6 | | No Insulation | Carpet+Rubber Underlay 18mm |
| Study/Rumpus | Timber Above Plasterboard 150mm | 9.6 | | No Insulation | Carpet+Rubber Underlay 18mm |
| Bedroom 3/Guest Bed | Timber Above Plasterboard 150mm | 12.7 | | No Insulation | Carpet+Rubber Underlay 18mm |
| Bedroom 3/Guest Bath | Timber Above Plasterboard 150mm | 0.7 | | No Insulation | Carpet+Rubber Underlay 18mm |
| Bedroom 3/Rumpus | Timber Above Plasterboard 150mm | 0.7 | | No Insulation | Carpet+Rubber Underlay 18mm |
| Bath FF/Garage | Timber Above Plasterboard 19mm | 3.5 | | Bulk Insulation R4 | Ceramic Tiles 8mm |
| Bath FF | Suspended Timber Floor 19mm | 2.9 | Very Open | Bulk Insulation in Contact with Floor R2 | |
| WC FF/Garage | Timber Above Plasterboard 19mm | 0.7 | | Bulk Insulation R4 | Ceramic Tiles 8mm |

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★ Star rating:

Building features continued

| WC FF | Suspended Timber Floor 19mm | 1.7 | Very Open | Bulk Insulation in Contact with Floor R2 | |
|---------------------------|-----------------------------------|------|-----------|--|--------------------------------|
| Kitchen/Living/Bed room 1 | Timber Above Plasterboard 19mm | 3.2 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/WIR | Timber Above Plasterboard 19mm | 8.0 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Ens uite | Timber Above Plasterboard 19mm | 5.6 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Stair | Timber Above Plasterboard 19mm | 11.4 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Hall | Timber Above Plasterboard 19mm | 15.3 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Bed room 2 | Timber Above Plasterboard 19mm | 8.8 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Stud y | Timber Above Plasterboard 19mm | 4.3 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Bed room 3 | Timber Above Plasterboard 19mm | 11.0 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/Bath FF | Timber Above Plasterboard 19mm | 6.8 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Kitchen/Living/WC FF | Timber Above Plasterboard 19mm | 2.6 | | No Insulation | Cork Tiles or Parquetry 8mm |
| Ldry/Bedroom 1 | Timber Above Plasterboard 19mm | 7.2 | | No Insulation | Ceramic Tiles 8mm |
| WC Ldry/Bedroom | Timber Above Plasterboard 19mm | 2.5 | | No Insulation | Ceramic Tiles 8mm |

| Ceiling type | | | |
|--------------|---------------------------|---|------------------|
| Location | Construction | Added insulation | Roof space above |
| Guest Bed | Plasterboard | Foil Anti-glare one side and Reflective other of the Bulk Insulation R6 | No |
| Guest Bed | Timber Above Plasterboard | No Insulation | No |
| Guest Bath | Plasterboard | Foil Anti-glare one side and Reflective other of the Bulk Insulation R6 | No |
| Guest Bath | Timber Above Plasterboard | No Insulation | No |
| Rumpus | Plasterboard | Bulk Insulation R4 | No |
| Rumpus | Timber Above Plasterboard | No Insulation | No |
| Garage | Timber Above Plasterboard | Bulk Insulation R4 | No |
| Entry/Plant | Plasterboard | Bulk Insulation R4 | No |
| Entry/Plant | Timber Above Plasterboard | No Insulation | No |
| Bedroom 1 | Plasterboard | Foil Anti-glare one side and Reflective other | No |

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2019 ★ Star rating:



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Building features continued

| | | of the Bulk Insulation R6 | |
|----------------|---------------------------|---|-----|
| Bedroom 1 | Timber Above Plasterboard | No Insulation | No |
| WIR | Plasterboard | Bulk Insulation R4 | No |
| WIR | Timber Above Plasterboard | No Insulation | No |
| Ensuite | Plasterboard | Bulk Insulation R4 | No |
| Ensuite | Timber Above Plasterboard | No Insulation | No |
| Stair | Plasterboard | Bulk Insulation R4 | No |
| Stair | Timber Above Plasterboard | No Insulation | No |
| Hall | Plasterboard | Bulk Insulation R4 | No |
| Hall | Timber Above Plasterboard | No Insulation | No |
| Bedroom 2 | Plasterboard | Bulk Insulation R4 | No |
| Bedroom 2 | Timber Above Plasterboard | No Insulation | No |
| Study | Plasterboard | Bulk Insulation R4 | No |
| Study | Timber Above Plasterboard | No Insulation | No |
| Bedroom 3 | Plasterboard | Foil Anti-glare one side and Reflective other of the Bulk Insulation R6 | No |
| Bedroom 3 | Timber Above Plasterboard | No Insulation | No |
| Bath FF | Plasterboard | Bulk Insulation R4 | No |
| Bath FF | Timber Above Plasterboard | No Insulation | No |
| WC FF | Plasterboard | Bulk Insulation R4 | No |
| WC FF | Timber Above Plasterboard | No Insulation | No |
| Kitchen/Living | Plasterboard | Foil Anti-glare one side and Reflective other of the Bulk Insulation R6 | No |
| Ldry | Plasterboard | Foil Anti-glare one side and Reflective other of the Bulk Insulation R6 | Yes |
| WC Ldry | Plasterboard | Foil Anti-glare one side and Reflective other of the Bulk Insulation R6 | Yes |

| Ceiling penetrations | | | | | |
|----------------------|--------|------------------|---------------|-----------------|--|
| Location | Number | Туре | Diameter (mm) | Sealed/unsealed | |
| Guest Bed | 4 | Downlights - LED | 150 | Sealed | |
| Guest Bath | 2 | Downlights - LED | 150 | Sealed | |
| Guest Bath | 1 | Exhaust Fans | 300 | Sealed | |

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WC FF

Ldry

Ldry WC Ldry

Kitchen/Living

1

13

2

1

1

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Downlights - LED

Downlights - LED

Downlights - LED

Downlights - LED

Exhaust Fans



5.3

Sealed

Sealed

Sealed

Sealed

Sealed

| Building feat | tures cont | inued | | | |
|---------------|------------|------------------|-----|--------|--|
| Rumpus | 5 | Downlights - LED | 150 | Sealed | |
| Entry/Plant | 4 | Downlights - LED | 150 | Sealed | |
| Bedroom 1 | 4 | Downlights - LED | 150 | Sealed | |
| WIR | 2 | Downlights - LED | 150 | Sealed | |
| Ensuite | 2 | Downlights - LED | 150 | Sealed | |
| Ensuite | 1 | Exhaust Fans | 300 | Sealed | |
| Stair | 2 | Downlights - LED | 150 | Sealed | |
| Hall | 4 | Downlights - LED | 150 | Sealed | |
| Bedroom 2 | 4 | Downlights - LED | 150 | Sealed | |
| Study | 4 | Downlights - LED | 150 | Sealed | |
| Bedroom 3 | 4 | Downlights - LED | 150 | Sealed | |
| Bath FF | 2 | Downlights - LED | 150 | Sealed | |
| Bath FF | 1 | Exhaust Fans | 300 | Sealed | |

150

150

150

300

150

| Ceiling fans | | | |
|--------------|--------|---------------|--|
| Location | Number | Diameter (mm) | |
| None Present | | | |

| Construction | Added R insulation | Roof colour | |
|------------------------|--|-------------|--|
| Corrugated Iron | No Insulation, L Only an Air Gap | ₋ight | |
| Waterproofing Membrane | No Added N Insulation, No air Gap | Medium | |
| Corrugated Iron | No Insulation, N Only an Air Gap | Medium | |
| Concrete | No Added N Insulation, No air Gap | Medium | |
| Corrugated Iron | Bulk, Reflective M Side Down, No Air Gap Above R1.3 | Medium | |

| Certificate number: | Certificate Date: | ★Star rating: |
|---------------------|-------------------|---------------|
| | | |

| 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