



ENEWERGY THERMAL PERFORMANCE & ENERGY EFFICIENCY
 NatHERS Certificates (Thermal Performance) - BERS PRO V4 & V5
 Residential BASIX (Energy & Water)
 Residential W.O.H. Certificates (Whole of Home)
 Residential DTS (Deemed to Satisfy) NCC3.12 Vol Two
 Commercial Section J, J4D6 DTS, J1V3 Compliance reports

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REQUIREMENTS FOR NSW 7 NATHERS (NCC-2022)

DATE	28/03/2025
ADDRESS	Lot 121 #7A Geoffrey Street Crowdy Head NSW 2427
DP #	1233169
CLIMATE ZONE	15
WIND SHIELDING	SUBURBAN
COMPANY	R & K Finlay-Jones c/o Jake Johnston Building Design

Proposed Insulation: (worst case scenario modelled where information not provided – as per tech notes)

- Framing Material: Timber
- Roof colour: Shale Grey – SA 0.44, Light (Solar absorptance <0.475)
- Roof: R1.3 Foil Lined Blanket
- Ceilings (excludes eaves/Porch): R6.0 flat Ceilings, R4.0 to raked
- Inter-Floor Ceilings: R3.0 between Garage Gnd & Upper Floor
- Walls to Roof space: ≥R2.5
- External wall material: FC Sheet Direct fix
- External wall colour: Surfemist – SA 0.33, Light (Solar absorptance <0.475)
- External walls: R2.7HD + Vapour permeable foil (Including Garage)
- Internal walls: R2.7HD to Garage, LDRY perimeter & 1st Floor Bath
- Slab: R2.0 under
- Cantilever Floors: R3.0

Proposed Windows: *If alternative Glazing used to that modelled below, equal or lower U values & SHGC to be within 5% required (safety screens fitted where applicable to allow full openability % of all Upper Floor glazing)

Sliding/Stacker Doors

74.8 m² REY-027-003-001 REYNAERS Uval 1.75 SHGC 0.27
 Glass 6PH08(60)/24Ar/6Clr Frame Aluminium Sliding Door DG

Louvres

9.3 m² BRZ-006-008-001 BREEZWAY Uval 4.29 SHGC 0.47
 Glass 6LE Frame Aluminium Louvre Window SG

Garage W02 Sliding Window

2.5 m² CAP-030-012-001 CAPRAL Uval 4.65 SHGC 0.60
 Glass 6ET Frame Aluminium Sliding Window SG

Remainder of Sliding Windows

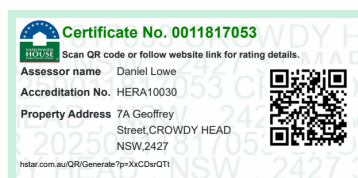
4.0 m² CAP-523-006-001 CAPRAL Uval 2.25 SHGC 0.35

Fixed Windows

15.5 m² CAP-148-012-001 CAPRAL Uval 1.80 SHGC 0.30

W16 Double Hung Window

1.4 m² CAP-520-022-001 CAPRAL Uval 2.48 SHGC 0.30



Floor Coverings:

- Kitchen, Living, Dining, Hall, Rumpus, Loft & Storage:
- Bedrooms:
- Wet Areas:
- Garage, Guest/Office:

Vinyl Plank
Carpet & Rubber underlay
Ceramic Tiles
Bare

Ceiling Fans:

- Living/Dining Zone:
- Rumpus:
- Bed 1, Bed 2 & Bed 3

1400mm x3
1400mm x 2
≥1200mm each

Ceiling Penetrations:

Allowance for ceiling penetrations for recessed LED downlights, exhaust fans and flues has been made as per the electrical plan. (if there is no lighting plan the certificate will state clearly that the dwelling has been rated without downlights and clients need to know that the dwelling will need to be rated again if these features are present – assessors should price return jobs accordingly)

This adheres to BCA requirements for Ceiling penetration report. BCA 3.12.1 ***modelled with Average Qty IC Rated Downlights***

Building sealing requirements:

- All exhaust fans to be fitted with dampers as per NCC.
- External doors to be weather stripped and windows to comply with AS 2047.
- All gaps from service penetrations etc are to be sealed. As should internal doors to garage.
- All chimneys and flues to have dampers as per BCA requirements 3.12.3.1.

ABCB NatHERS Heating & Cooling Load Limits **ABCB Standard 2022.**

CLIMATE ZONE # 15	BASIX TARGETS CSOG	PROPOSED DWELLING
NatHERS Star Rating Score	≥7.0 STARS	7.0 STARS
Cooling Loads MJ/m2.annum	≤30.1	25.1
Heating Loads MJ/m2.annum	≤47.1	25.3
Adjusted Total	≤51.0	50.4

Analysis

Building Elements modelled



NatHERS Thermal Performance compliant with NSW BASIX Heating & Cooling Targets: PASS



Office Use Only	
BASIX REFERENCE #	By others
BERS PRO V5 RUN	Run 3

