

NCC 2022 Roof Ventilation Compliance Checklist



Roof Ventilation



Sarking and Insulation



Calculations



Product Certification

**Build Smart
Vent Smart**



Project & Regulatory Details

| | |
|--------------|--|
| Site address | |
| Manager | |

- Regulatory References Identified:
- NCC 2022 Volume Two - Housing Provisions
- NCC 2022 Volume One - Condensation Management (Class 2+)
- BASIX/ NSW Planning Portal requirements
- AS 1668 (mechanical ventilation) where relevant

Roof Space Ventilation - NCC Sizing

- Climate zone identified
- BAL rating confirmed
- BASIX ventilation/thermal comfort checked
- Roof material: Metal / Tiled
- Sarking/membrane installed
- Ceiling type: Standard / Cathedral
- Roof pitch (degrees)
- Ceiling area (m²)

Vented Roof - Compliance Options

- Wind-driven ventilators (1 per 50 m²)
- Powered roof ventilators (1 per 200 m²)
- Ventilation openings sized per NCC 10.8.3
- Unsarked tiled roof (classified as vented)

Roof Space Ventilation - NCC Sizing

- Pitch <math><10^\circ</math>: 25,000 mm²/m at two opposite ends
- Pitch 10-15°: 25,000 mm²/m at eaves + 5,000 mm²/m high level
- Pitch 15-75°: 7,000 mm²/m eaves + 5,000 mm²/m high level
- Cathedral ceilings: additional 18,000 mm²/m at eaves
- Ventilation calculations completed
- Vents meet or exceed NCC required area
- Vents evenly distributed around roof

Condensation Management

- Membranes installed correctly (lapped and sealed)
- Insulation does not block vents
- Bathroom/laundry/kitchen exhausts ducted to outside
- Ducts connected and sealed
- Extra mitigation for high-risk climate zones

NSW & BASIX Considerations

- Ventilation strategy matches BASIX certificate
- Compatible with energy efficiency requirements

Bushfire, Weatherproofing & Access

- Vents screened to meet AS 3959
- Flashings and seals weatherproof
- Insect/vermin screening installed
- Safe access for future inspection maintained

Documentation & Evidence

- Ventilation design drawings supplied
- Vent/ventilator product data sheets attached
- NCC/BASIX compliance notes attached
- Photos of vents and external duct termination

Inspected By _____

Date _____

Signature _____

This checklist is a general guide based on NCC 2022 and NSW guidance. Always confirm you are working from the current NCC, NSW variations, BASIX requirements and relevant Australian Standards for your specific project.

If an item is checked, it meets NCC 2022 and NSW requirements. No further action is required other than keeping evidence on file.

If an item is unchecked, it must be 1. rectified, 2. formally justified as not applicable with a referenced NCC exemption, or 3. the building remains non-compliant until corrected and reinspected.

Multiple items unchecked? Submit your completed checklist to Enhance Metal Roofing for a compliance review and practical guidance on next steps to support your compliance.