

# BCA 2007 ENERGY EFFICIENCY CONFORMANCE SHEET PART J

This assessment applies to a Class 2 - 9 building or part of a building in **Climate Zone 5**

Lot No                      House No                      Street Name                      Suburb

<b>Part J1.2 Thermal Construction General</b>				
Insulation will be installed in accordance with Clause J1.2 of the BCA, Manufacturer's Specifications and AS/NZS 4859.1, in order to ensure that the correct R-value is achieved				<input type="checkbox"/>
<b>Part J1.3 ROOF &amp; CEILING CONSTRUCTION</b>				
Class 2 or 3 building or Class 4 part of building or 9c Aged Care Building		Total R value 2.7 or R1.35 where below a non-conditioned space such as a store room <b>Details to be attached demonstrating compliance.</b>		<input type="checkbox"/>
Class 5, 6, 7, 8, 9a, or 9b building		Total R value 3.2 or R1.6 where below a non-conditioned space such as a store room <b>Details to be attached demonstrating compliance.</b>		<input type="checkbox"/>
For other roof forms that are not provided for by Specification J1.3, documentary evidence is provided (attached), demonstrating that the minimum R-value is achieved.				<input type="checkbox"/>
<b>Part J1.4 ROOF LIGHTS</b>				
<ul style="list-style-type: none"> <li>The aggregate area of roof lights serving a habitable room, public area or interconnecting space is less than 1.5% of the floor area of the room or space they serve</li> </ul>				<input type="checkbox"/>
<ul style="list-style-type: none"> <li>For roof lights that are more than 1.5% and less than 10%, complete the following table</li> </ul>				<input type="checkbox"/>
<u>Shaft length index</u> (Distance from roof to ceiling at centre of shaft divided by average internal dimension at ceiling level)	More than 1.5% up to 3%	More than 3% up to 5%	More than 5% up to 10%	Specify location of roof light/s
Less than 0.5m	SHGC (.....) ≤ 0.75 U Val (.....) ≤ 5.0	SHGC (.....) ≤ 0.5 U Val (.....) ≤ 5.0	SHGC (.....) ≤ 0.25 U Val (.....) ≤ 2.5	
0.5m to less than 1.0m	U Val (.....) ≤ 5.0	SHGC (.....) ≤ 0.7 U Val (.....) ≤ 5.0	SHGC (.....) ≤ 0.35 U Val (.....) ≤ 2.5	
1.0m to less than 2.5m	U Val (.....) ≤ 5.0	U Val (.....) ≤ 5.0	SHGC (.....) ≤ 0.45 U Val (.....) ≤ 2.5	
2.5m and above	U Val (.....) ≤ 5.0	U Val (.....) ≤ 5.0	U Val (.....) ≤ 2.5	
<ul style="list-style-type: none"> <li>Roof lights exceeding 10% of the floor area of the room may only be used if other openings are not available to provide adequate natural light (Refer BCA Part J1.4(a)(ii) for construction details and further information) <b>Details to be attached demonstrating compliance.</b></li> </ul>				<input type="checkbox"/>
<b>Part J1.5 WALLS</b>				
Class 2 or 3 building or Class 4 part of building or 9c Aged Care Building		Total R value 1.4 or achieve a surface density of >220kg/m <sup>2</sup> . <b>Details to be attached demonstrating compliance.</b>		<input type="checkbox"/>
Class 5, 6, 7, 8, 9a, or 9b building		Total R value 1.8. <b>Details to be attached demonstrating compliance.</b>		<input type="checkbox"/>
<b>Part J1.6 FLOORS Only required in the following circumstances:</b>				
Suspended floor with an in-slab heating system		R1.0 to perimeter and underneath	<input type="checkbox"/>	
Concrete slab on ground with in-slab heating system		R1.0 to perimeter	<input type="checkbox"/>	
<b>Part J2 EXTERNAL GLAZING</b>				
Copy of the Glazing Calculator spreadsheet (Available on <a href="http://www.abcb.gov.au">www.abcb.gov.au</a> ) attached, or				<input type="checkbox"/>
Schedule of calculations demonstrating the aggregate calculated Conductance (U) & Solar Heat Gain (SHGC) limits; and the actual Conductance (U) & Solar Heat Gain (SHGC) of the design attached.				<input type="checkbox"/>
<b>Part J3 BUILDING SEALING This does not apply where only an evaporative-cooler is used or for gas vents</b>				
For all chimneys and flues of open solid fuel burning appliances:		Provide a damper or flap that can be closed to seal the chimney or flue. (Refer J3.2)		<input type="checkbox"/>
When forming part of the fabric bounding a conditioned space		– Seal roof lights as specified by J3.3,		<input type="checkbox"/>
		– Seal external windows and doors where required by J3.4.		<input type="checkbox"/>
		– Seal exhaust fans with a sealing device such as a damper, filter or the like. (J3.5).		<input type="checkbox"/>
		– Roofs, external walls, external floors and any opening to be constructed to minimise air leakage in accordance with J3.6		<input type="checkbox"/>

<b>Part J4 AIR MOVEMENT <i>This Part only applies to Class 2 or 4 buildings or parts</i></b>			
A schedule of room areas and ventilation opening areas to be attached			<input type="checkbox"/>
Air movement may be provided from an adjoining room if both rooms are within the same sole occupancy unit and (i) The adjoining room is not a sanitary compartment, and (ii) The opening between the adjoining room and the habitable room complies with Table J4.2 as if it were a ventilation opening to the habitable room or a proportion thereof if some ventilation is provided from another source, and (iii) The ventilation opening to the adjoining room complies with Table J4.2 of the total floor area of the adjoining room and the habitable room.			<input type="checkbox"/>
Minimum total ventilation opening area (% of room area) (Table J4.2)	Without a ceiling fan	7.5%	<input type="checkbox"/>
	With a 900mm (minimum) diameter, permanently fixed ceiling fan with speed controller. (Electrical plan to be attached showing provision and locations)	5%	<input type="checkbox"/>
	For buildings in excess of 10m in height. Refer Table J4.2, Note 1		<input type="checkbox"/>
Total Ventilation Openings	Must be connected to a ventilation opening in another room via a breeze path; or Be provided by 2 ventilation openings in the 1 room with each openings' area not less than 25% of area required above	<input type="checkbox"/> <input type="checkbox"/>	
Breeze Path Provisions	1. Must pass through no more than 2 ventilation openings in internal walls. Opening area of not less than 1.5m <sup>2</sup> , and 2. There is not more than 20m between ventilation openings.	<input type="checkbox"/> <input type="checkbox"/>	

<b>Part J5 AIR-CONDITIONING AND VENTILATING SERVICES</b>	
Confirmation in writing and plans certified by a professional (mechanical) engineer, detailing the method of compliance of the proposed air conditioning or ventilation system including a statement that the proposal complies with <b>all requirements specified in Part J5</b> of the BCA.	<input type="checkbox"/>

<b>Part J6 ARTIFICIAL LIGHTING AND POWER <i>This does not apply within a SOU of a Class 4 part or a Class 2</i></b>	
<ul style="list-style-type: none"> <li>- The total lamp power density (W/m<sup>2</sup>) of the rooms and spaces specified by Table J6.2 demonstrating the proposal will not exceed the maximum permitted. (NB: The lamp power density may be increased as set out in J6.2(b)) <b>Schedule of room or space areas and lamp power densities attached</b>, and</li> <li>- In every bathroom, dressing room or the like, provision of an artificial light source efficacy of not less than 40 Lumens/W. <b>Schedule of lumens and watts to be provided for each applicable room</b>, and</li> <li>- Artificial lighting of a room or space in a Class 3 building must be individually operated by a switch or other control device, and</li> <li>- An occupant activated device will be provided in a SOU in a Class 3 building to cut power to artificial lighting, air conditioner, exhaust fans and bathroom heater when the SOU is unoccupied, <b>OR</b></li> </ul>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Where the person completing this form is unable to provide confirmation and details of the above, a certificate and detailed schedules and plans endorsed in ink by a suitable qualified person (Professional Electrical Engineer) is to be submitted confirming compliance with Part J6 of the BCA.	<input type="checkbox"/>

<b>Part J7 HOT WATER SUPPLY</b>	
Must be designed and installed in accordance with Section 8 of AS/NZS 3500.4.	<input type="checkbox"/>

<b>Part J8 ACCESS FOR MAINTENANCE <i>This does not apply to a Class 4 part or within a SOU of a Class 2</i></b>	
Access to all plant, equipment and components that require maintenance in accordance with Part I2 of the BCA will be provided and is indicated on the plans submitted for building approval.	<input type="checkbox"/>

**NOTE:** This Assessment sheet is based on the deemed to satisfy (DTS) requirements of the BCA. Where a proposal is unable to comply with the DTS requirements, or an applicant wishes to submit an alternative solution to all or any part, compliance must be verified by the submission of appropriate details and documentation in accordance with the verification methods stated in the BCA. Where this is proposed, a report from an appropriately qualified person is to be submitted for the consideration of the Building Surveyor.

*The details provided on this Conformance Sheet are true and correctly reflect the plans and specifications submitted for a building licence:*

Signature	Name of Builder or representative	Contact Telephone
Date	Position held	