# **BASI** Certificate

Building Sustainability Index www.basix.nsw.gov.au

### Single Dwelling

Certificate number: 471107S

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 29/06/2009 published by the Department of Planning. This document is available at www.basix.nsw.gov.au

Director-General Date of issue: Sunday, 10 March 2013 To be valid, this certificate must be lodged within 3 months of the date of issue.



#### **Project summary** EDG Project name - Ca Street address Local Government Area Penr Plan type and plan number depo 2125 Lot no. Section no. -Project type sepa No. of bedrooms 4 **Project score** Water 1 Thermal Comfort $\checkmark$ Energy

#### **Certificate Prepared by**

Name / Company Name: Thermal Performance

ABN (if applicable): 64 137 428 767

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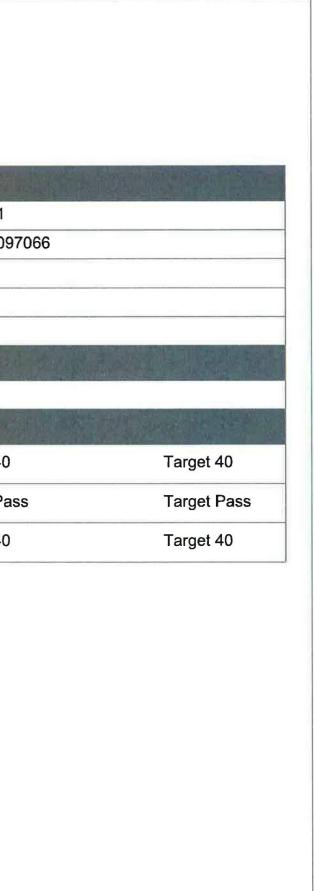


## Description of project

Project address	
Project name	EDG290
Street address	- Cabarita Way JORDAN SPRINGS 2747
Local Government Area	Penrith City Council
Plan type and plan number	Deposited Plan unreg
Lot no.	2125
Section no.	· ·
Project type	
Project type	separate dwelling house
No. of bedrooms	4
Site details	
Site area (m²)	389
Roof area (m <sup>2</sup> )	256
Conditioned floor area (m2)	145
Unconditioned floor area (m2)	15
Total area of garden and lawn (m2)	160

#### Assessor details and thermal loads

Assessor number	20731
Certificate number	100509
Climate zone	28
Area adjusted cooling load (MJ/m <sup>2</sup> .year)	48
Area adjusted heating load (MJ/m <sup>2</sup> .year)	67
Other	
none	n/a
Project score	
Water	√ 40
Thermal Comfort	🗸 Pa
Energy	√ 40

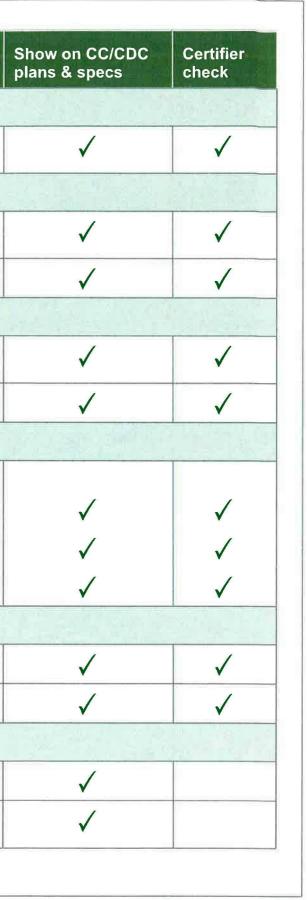


Thermal Comfort Commitments	Show on DA plans	P
Simulation Method		
The applicant must attach the certificate referred to under "Assessor Details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for an occupation certificate for the proposed development.		
The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.		
The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX certificate, including the Cooling and Heating loads shown on the front page of this certificate.		
The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Assessor Certificate requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor to certify that this is the case. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.		
The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		
The applicant must construct the floors and walls of the dwelling in accordance with the specifications listed in the table below.	$\checkmark$	

Floor and wall construction	Area
floor - concrete slab on ground	All or part of floor area square metres



Energy Commitments	Show on DA plans
Hot water	1.000
The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas instantaneous with a performance of 5 stars.	~
Cooling system	
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning; Energy rating: EER 3.0 - 3.5	
The bedrooms must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.	
Heating system	s and as
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning; Energy rating: EER 3.0 - 3.5	
The bedrooms must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.	
Ventilation	
The applicant must install the following exhaust systems in the development:	
At least 1 Bathroom: individual fan, not ducted; Operation control: manual switch on/off	
Kitchen: individual fan, ducted to façade or roof; Operation control: manual switch on/off	
Laundry: natural ventilation only, or no laundry; Operation control: n/a	
Natural lighting	1. T
The applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting.	1
The applicant must install a window and/or skylight in 2 bathroom(s)/toilet(s) in the development for natural lighting.	1
Other	100
The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.	
The applicant must construct each refrigerator space in the development so that it is "well ventilated", as defined in the BASIX definitions.	



#### Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a 🗸 in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a 🗸 in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a 🗸 in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate(either interim or final) for the development may be issued.

