

# NatHERS Certificate

## New Dwelling

### 3.5 Stars

#### Simulation Software

Software Name BERS Pro 4.2  
Software Version Release 110811/A  
Engine Version CHENATH V2.13

#### Simulation Details

Project Name ZAC023a\_1  
Date 22/08/2014  
Location PENRITH PC 2750  
Climate file climat28.TXT  
Adjusted Star Rating 3.5 Stars  
Conditioned Area 43.37 m<sup>2</sup>  
Unconditioned Area 37.93 m<sup>2</sup>  
Adjusted Cooling 59.4 MJ/m<sup>2</sup>  
Adjusted Heating 92.2 MJ/m<sup>2</sup>  
Adjusted Total 151.6 MJ/m<sup>2</sup>

#### Dwelling Address

DP Number 1171491  
Unit Number Secondary  
Lot Number 2220  
House Number  
Street Name William Hart Crescent  
Development Name  
Suburb THORNTON NSW 2750

#### Client Details

Name Hayley - ZAC Homes  
Phone (02) 4724-2500 Fax  
Email hayley@zachomes.com.au  
Postal Address 232 Coreen Avenue PENRITH NSW 2750  
Street Details 232 Coreen Avenue PENRITH NSW 2750

#### Assessor Details

Name Brad Hoad  
Phone 0458-221-211 Fax (02) 9629-3072  
Email brad@thermalperformance.com.au  
Postal Address 12 Livorno Grove GLENWOOD NSW 2768  
Street Details 12 Livorno Grove GLENWOOD NSW 2768



Signed by the Assessor..........Date 22 / 08 / 2014.

*Tilted roof windows with blinds cannot be modelled using this version of BERSPro.  
All windows are modelled with Holland Blinds for regulatory purposes.*

**Building Element Details**

Project ZAC023a Run 1  
 PENRITH PC 2750 Lat -33.80 Long 150.70 Climate File climat28.TXT

Summary  
 Conditioned Area 43.4 m<sup>2</sup>  
 Unconditioned Area 37.9 m<sup>2</sup>  
 Total Floor Area 81.3 m<sup>2</sup>  
 Total Glazed Area 9.2 m<sup>2</sup>  
 Total External Solid door Area 18.8 m<sup>2</sup>  
 Glass to Floor Area 11.4 %  
 Gross External Wall Area 135.7 m<sup>2</sup>  
 Net External Wall Area 107.7 m<sup>2</sup>

PLEASE NOTE  
 This simulation has been carried out with surface mounted lighting & unsealed exhaust fans. Should recessed down lights without fireproof, sealed down light guards be included at a later stage or clearances for exhaust fans or a/c vents exceed 0.5% of the ceiling area then a revised simulation & Basix Certificate will be required as compliance with the NCC and Development Approval will not be achieved. Check compliance with the PCA

Window  
 9.2 m<sup>2</sup> GGG-05-001a Generics Uval 6.57 SHGC 0.74  
 Glass Single Glazed Clear  
 Frame Aluminium

External Wall  
 41.5 m<sup>2</sup> Brick Veneer No Insulation  
 66.2 m<sup>2</sup> Brick Veneer Bulk Insulation R 2.0

Internal Wall  
 13.2 m<sup>2</sup> Cavity Panel 70mm gap Bulk Insulation R 2.0  
 20.5 m<sup>2</sup> Cavity Panel 70mm gap No Insulation

External Floor  
 37.9 m<sup>2</sup> Concrete Slab on Ground Bare Bulk Insulation in Contact with Floor R 0.5  
 4.1 m<sup>2</sup> Concrete Slab on Ground 80/20 Carpet 10mm/Ceramic Bulk Insulation in Contact with Floor R 0.5

External Ceiling  
 42.0 m<sup>2</sup> Plasterboard Bulk Insulation R3.0 Unventilated roofspace

Internal Floor/Ceiling  
 37.9 m<sup>2</sup> Timber Above Plasterboard Bulk Insulation R 2.0  
 4.1 m<sup>2</sup> Timber Above Plasterboard No Insulation

Roof (Horizontal area)  
 42.0 m<sup>2</sup> Roof Tiles Foil, Gap Above, Reflective Side Down, Anti-glare Up 25° slope Hip roof

