

NatHERS Certificate

New Dwelling

6.0 Stars

Simulation Software

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

Simulation Details

Project Name ZAC023_1
Date 22/08/2014
Location PENRITH PC 2750
Climate file climat28.TXT
Adjusted Star Rating 6.0 Stars
Conditioned Area 171.89 m²
Unconditioned Area 11.45 m²
Adjusted Cooling 25.4 MJ/m²
Adjusted Heating 60.2 MJ/m²
Adjusted Total 85.6 MJ/m²

Dwelling Address

DP Number 1171491
Unit Number
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 ZAC023 Run 1
 PENRITH PC 2750 Lat -33.80 Long 150.70 Climate File climat28.TXT

Summary
 Conditioned Area 171.9 m²
 Unconditioned Area 11.4 m²
 Total Floor Area 183.3 m²
 Total Glazed Area 29.5 m²
 Total External Solid door Area 1.7 m²
 Glass to Floor Area 16.1 %
 Gross External Wall Area 207.2 m²
 Net External Wall Area 176.0 m²

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
 27.8 m² GGG-05-001a Generics Uval 6.57 SHGC 0.74
 Glass Single Glazed Clear
 Frame Aluminium
 1.7 m² GGG-05-002a Generics Uval 5.55 SHGC 0.73
 Glass Single Glazed Clear
 Frame Timber

External Wall
 176.0 m² Brick Veneer Bulk Insulation R 2.0

Internal Wall
 149.6 m² Cavity Panel 70mm gap No Insulation

External Floor
 77.8 m² Concrete Slab on Ground Ceramic Tiles 8mm Bulk Insulation in Contact with Floor R 0.5
 10.5 m² Concrete Slab on Ground Carpet 10mm Bulk Insulation in Contact with Floor R 0.5
 6.6 m² Suspended Timber Floor Carpet 10mm No Insulation
 2.9 m² Suspended Timber Floor Ceramic Tiles 8mm No Insulation

External Ceiling
 97.8 m² Plasterboard Bulk Insulation R3.0 Unventilated roofspace

Internal Floor/Ceiling
 88.3 m² Timber Above Plasterboard No Insulation

Roof (Horizontal area)
 97.8 m² Roof Tiles Foil, Gap Above, Reflective Side Down, Anti-glare Up 25° slope Hip roof

