

Date Issued: 13/12/2017

NatHERS Building Thermal Modelling Performance Specifications

Development: 28-32 Evan St, Penrith NSW 2750

These are the specifications upon which the certified assessment is based. If details included in these specifications vary from other drawings or written specifications, these specifications shall take precedence. If only one specification option is detailed for a building element, that specification must apply to all instances of that element for the project. If alternate specifications are detailed for a building element, the location and extent of alternate specifications must be detailed below and / or clearly indicated on referenced documents.

Thermal Modelling Software: BERS Pro v4.3.0.2b(3.13)

Windows and Skylights

Description	Type	U Value	SHGC
All windows of G03, 102, 103, 105, 202, 203, 205, 301, 302, 303, 304, 305, 306, 402, 403, 404, 405, 502, and 503	Aluminium frame single glazed clear	6.70	0.74
All windows of 501, 505, and 506	Aluminium B DG Air Fill High Solar Gain low-E -Clear	4.30	0.53
All windows of G01, G08, 101, 106, 109, 204, 206, 208, 307, 308, 309, 408, and 409	Aluminium frame single glazed	5.60	0.36
All other windows	Aluminium A DG Air Fill Low Solar Gain low-E -Clear	4.90	0.33

Window and skylight U and SHGC values, if specified, are according to NFRC. Alternate products or specifications may be used if their U value is lower, and the SHGC value is less than 10% higher or lower, than the U and SHGC values of the product specified above.

External and Internal Walls

Description	Type	Insulation	Colour - Solar Abs
All external walls	ACC Panels	R 1.5	Medium SA 0.475 - 0.7
All internal walls	Plasterboard	N/A	
All party walls	ACC Panels	R 1.7	
All common area walls	ACC Panels	R 1.5	

Floors, Ceilings and Roofs

Description	Construction	Insulation	Covering-Solar Abs
All floors on top of unconditioned spaces	Concrete	R 1.0	Not Specified
All other floors	Concrete	N/A	
All ceilings under open air	Plasterboard	R 2.5	
All roofs	Concrete	N/A	Medium SA 0.475 - 0.7

Electrical services designer and installer must make sure that approved fireproof down-light covers, which can be fully covered by insulation, are specified and deployed during construction for all down-lights installed on the ceilings where insulation is specified and installed.

True North Orientation: 300
Terrain Category: Suburban
Seals on Windows and Doors: Yes
Lighting Design Plans Provided: No
Climate Zone: 28