

NCC2022 NatHERS Thermal Performance Specification - Mona Vale			
External Walls			
Wall Type (Steel studs)	Insulation	Colour	Comments
Concrete Panel	R2.5 (Between studs)	Light - SA < 0.475	Throughout
SA - Solar Absorptance			
Internal Walls			
Wall Type (Steel studs)	Insulation	Comments	
Plasterboard stud	None	Internally inside units	
Concrete Panel + Plast Lining	None	Party walls between units	
Concrete Panel + Plast Lining	None	Shared walls with lobby/stairs/lift	
Floors			
Floor Type	Insulation	Comments	
Suspended concrete slab	R2.5	All units with suspended slab over carpark	
Suspended concrete slab	R2.5	All units with suspended slab over air	
Concrete	None	All units with adjoining unit below	
Ceilings			
Ceiling Type (Steel Frame)	Insulation	Comments	
Plasterboard	None	Unit above	
Plasterboard	R4.0 Reflective bulk	Roof/balcony/air above	
Insulation loss due to downlights has been modelled in this assessment. A sealed exhaust fan has been included in every kitchen, bathroom, laundry and ensuite.			
Roof			
Roof Type (Steel Frame)	Insulation	Colour	Comments
Concrete with waterproofing membrane	None	Light - SA < 0.475	Throughout (no roof space)
SA - Solar Absorptance			
Glazing			
Opening type	U-Value	SHGC	Glazing & Frame Type
Sliding + Fixed (Throughout)	4.3	0.53	e.g. Single glazed low-E high performing Aluminium frame
Awning (Throughout)	4.3	0.47	e.g. Single glazed low-E high performing Aluminium frame
U and SHGC values are based on the AFRC Default Windows Set. Glazing systems to be installed must have an equal or lower U value and a SHGC value ± 10% of the above specified values.			
Skylights			
Skylight Type	Frame Type		Comments
Single glazed clear	Timber and Aluminium		Units: A 5.04 and C 5.04
Ceiling fan			
Size	Location		Comments
na	na		na

Certificate Prepared by



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