

Basix Requirements Summary - Single Dwelling						
New Dwelling 70 Hilma Street Collaroy		NSW 2097		Prepared by Chapman Environmental Services www.cesenergy.com.au 1300 004 914		
						
Water Target	40	Water Score	41			
Energy Target	72	Energy Score	73			
Max H & C Loads are (MJ/m²)	30	Actual H & C Loads are (MJ/m²)	29.6	Star Rating	7	
Basix Commitments						
Landscaping	Total area of garden & lawn (m²)	130	Area of indigenous/low water use plants (m²)		0	
Fixtures	Shower heads	4 star (> 6 but <= 7.5 L/min)	Toilets	4 star	All taps 4 star	
Alternative Water	Minimum Rainwater tank size (L)	2000	Collect run off from roof area of at least (m²)		50	
	Toilet connection Yes	Laundry connection Yes	Landscape connection Yes	Pool top up n/a	Spa top up n/a	
Energy	Hot water system	Electric heat pump - air sourced		Rating	15 to 20 STCs	
	Bathroom ventilation	No mechanical ventilation (ie, natural)				
	Kitchen ventilation	Individual fan, ducted to facade or roof		with	Manual switch on/off	
	Laundry ventilation	Natural ventilation only, or no laundry				
	Cooling - living areas	1-phase airconditioning	Rating	EER 3.0 - 3.5	Zoned	
	Cooling - bedrooms	1-phase airconditioning	Rating	EER 3.0 - 3.5		
	Heating - living areas	1-phase airconditioning	Rating	EER 3.0 - 3.5		
	Heating - bedrooms	1-phase airconditioning	Rating	EER 3.0 - 3.5		
	Alternate Energy	Photovoltaic system able to generate at least		n/a	peak kilowatts of electricity	
	Electric cooktop & electric oven	Outdoor clothesline required		No indoor clothesline required		
Thermal Performance Assessment Based on the Following Requirements						
Floor Types	Concrete slab on ground - Garage floor	with	No insulation required			
	Concrete slab on ground - Ground floor	with	R2.3 under slab insulation			
Floor Coverings	Tiles	Wet Areas	Timber	Living Areas / Bedrooms		
	Carpet	n/a	Concrete	Garage/ Storage/ Entry		
External Walls	Concrete block lined & framed - Entry	with	Sarking and R2.5 bulk insulation	Colour	Light	
	Concrete block - Storage & Garage	with	No insulation required	Colour	Light	
	Timber framed Fibro clad on battens	with	Sarking and R2.5 bulk insulation	Colour	Light	
Internal Walls	Plasterboard	with	R2.5 bulk insulation - Garage/ Laundry/ Lower & Upper Bath internal walls only			
Ceiling (floor over)	Concrete above plasterboard	with	R2.3 underslab insulation - All garage level internal ceilings			
	35mm Alpha panel on timber above plasterboard	with	No insulation required - All ground floor internal ceilings			
Ceilings (roof over)	Timber above plasterboard.	with	R6.0 bulk insulation - Exclude garage only			
Roof	Metal	with	R1.3 roof blanket	Colour	Light	
	Concrete - Garage	with	Waterproof membrane only			
Windows and Doors	AF single glazed clear To all Louvres, Sliding Windows & Hinged Doors		Louvres	BRZ-006-009-001 U-Value 4.88 or less SHGC 0.46 +/- 5%		
			Sliding Windows	BRD-149-005-001 U-Value 4.57 or less SHGC 0.60 +/- 5%		
			Hinged Door	BRD-163-012-002 U-Value 4.39 or less SHGC 0.47 +/- 5%		
	AF double glazed clear Lightbridge To all Fixed Windows and Sliding Doors		Fixed Glass	BRD-153-040-001 U-Value 2.70 or less SHGC 0.53 +/- 5%		
			Sliding Doors	BRD-035-029-001 U-Value 2.70 or less SHGC 0.51 +/- 5%		
	Skylights		Skylights	VEL-011-01 U-Value 2.60 or less SHGC 0.024 +/- 5%		
			S01 requires an external shading device able to shade 100% of skylight			
AF = Aluminium Framed		TB = Thermally Broken Aluminium Framed		TF = Timber Framed		
If the Universal Certificate indicates downlights, then these are to be non-ventilated LED / fluorescent Any exhaust fans noted are to be fitted with self-closing dampers or be otherwise sealed All insulation specified must be installed in accordance with Part 3.12.1.1 of the BCA If there is a discrepancy between this document and the Natthers Certificate, then the Natthers Certificate shall take precedence						
Notes	Ceiling Fans (1400mm) required in the Dining Living Area, 2nd Living & Bedrooms					