# **BASIX Certificate Alterations and Additions**

Certificate number: A362428 - 29, October 2019

Standard aluminium, single clear, (or

U-value: 7.63, SHGC: 0.75)

## Hot Water

The applicant must install the following hot water system in the development; gas instantaneous.

## Liahtina

The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.

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The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating. The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating. The applicant must ensure new or altered tools have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.

## Insulation requirements

The applicant must construct the new or altered construction (floor(s), walls, and ceilings/roofs) in accordance with the specifications listed in the table below, except that a) additional insulation is not required where the area of new construction is less than 2m2. b) insulation specified is not required for parts of altered construction where insulation already exists.

Construction	Additional Insulation required (R-value	Other Specifications	
Suspended floor above garage: framed (R0.7)	Nil		
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)		
Internal wall: shared with Garage: plasterboard (R0.36)	nil		
Flat ceiling, pitched roof	ceiling: R2.5 (up), roof: foil/sarking	medium (solar absorptance 0.475 – 0.7)	

### Windows and glazed doors

D2

The applicant must install the windows, glazed doors and shading devices, in accordance with the specifications listed in the table below. Relevant overshadowing specifications must be satisfied for each window and glazed door. The following requirements must also be satisfied in relation to each window and glazed door. Each window or glazed door with standard aluminium or timber frames and single clear or toned glass may either match the description, or, have a U-value and a Solar Heat Gain Coefficient (SHCC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. Each window or glazed door with improved frames, or pyrolytic low-e glass, or clear/air gap/clear glazing, or toned/air gap/clear glazing, o

Note: All details on this summary should be cross checked with the actual BASIX Certificate before ordering.

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Windowldoor		Avec of place inc	Overshading			
Window/door no.	Orientation	Area of glass inc. frame (m2)	Height (m)	Distance (m)	Shading device	Frame and glass type
W1	S	0.72	0.0	0.0	None	Standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)
W4	E	0.9	0.0	0.0	projection/height above sill ratio >=0.36	Standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)
W5	E	0.36	0.0	0.0	eave/verandah/pergola/balcony >=450 mm	Standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)
W6	W	1.8	0.0	0.0	projection/height above sill ratio >=0.36	Standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)
W7	s	2.31	0.0	0.0	eave/verandah/pergola/balcony >=450 mm	Standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)
W8	S	1.26	0.0	0.0	eave/verandah/pergola/balcony >=450 mm	Standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)

0.0

eave/verandah/pergola/balcony >=900 mm

0.0