



Water Use Assessment

Design Stage - Calculation Report

Certificate Ref: BE44967639 Performance Target: 110 (litres / person / day)

Issued: 01 February 2023 Building Regulations Part G - 110l

Hempton Road - Phase 2 - HT S2 Number of Bedrooms: 3

Burrington Estates Occupancy for Calculation Purposes 4

Design Stage

Installation Type	Unit	Capacity/ Flow Rate	Use Factor	Fixed use (I/p/day)	Total Use (I/p/day)
WC's	Volume (I)	3.50	4.42	0.00	15.47
Taps Exc. Kitchen	Flow Rate	5.00	1.58	1.58	9.48
Baths	(1)	180.00	0.11	0.00	19.80
Showers	(l/s)	8.00	4.37	0.00	34.96
Kitchen Taps	(I/s)	8.00	0.44	10.36	13.88
Washing Machines	(l/kgdry)	8.17	2.10	0.00	17.16
Dishwashers	(l/place)	1.25	3.60	0.00	4.50
Waste Disposal	(I/s)				0.00
Water Softener	(I/s)				0.00
Total Calculated Water Use (I/p/day)		•	•	'	115.25
Grey/Rainwater Reused (I)					0.00
Normalisation Factor					0.91
Total Water Consumption (I/p/day)					104.88
External Water Use Allowance (I)					5.00
Total Consumption Part G (I/p/day)					109.88
Part G Reg Assessment Result					Pass √

The calculation methodology uses the water consumption figures provided from manufacturers' product details. Where details have not been provided, assumed figures have been used to achieve compliance. These must be met in order to satisfy the Part G Calculation for Hempton Road - Phase 2 - HT S2. The calculation methodology is to be used to assess compliance against the water performance targets in Regulation 36. It is not a design tool for water supply and drainage systems. It is also not capable of calculating the actual potable water consumption of a new dwelling. Behaviour and changing behaviour can also have an effect on the amount of potable water used throughout a home.



Appliance/Usage Details

Dishwasher Total No. of Fittings (No.) Total Por Calculation (IV.) Total Por Calculation (IV.) Total Por Capacity (I) Total No. of Fittings (No.) Total Por Calculation (IV.) Total Por Capacity (IV.) To	Taps (Excluding Kitchen ⁻				Showers				
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Shower B 1 8.00							(No.)	Fitting type	
Total No. of Fittings (No.) 3	Bathroom sink mixer taps	5 5	3	15.00			1		
15.00					Shower	8	1	8.00	
15.00									
15.00	Fotal No. of Fittings (No.)			3	Total No. of Fittings (No.)			2	
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