

Water Efficiency Calculator for New Dwellings

Project Details

Address/Reference	71 Avenue Road	Case Reference	Planning
Number of Bedrooms	9	Occupancy for Calculation Purposes	10

Appliance/Useage Details

Taps (Excluding Kitchen Taps)

Tap Fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type
Basins	5.00	12	60.00
			0.00
			0.00
			0.00
			0.00
			0.00
Total No. of Fittings (No.)		12	
Total Flow (l/min)			60.00
Maximum Flow (l/min)			5.00
Average Flow (l/min)			5.00
Weighted Average Flow (l/min)			3.50
Flow for Calculation (l/min)			5.00

Baths

Bath Type	Capacity to Overflow	Quantity (No.)	Total per Fitting type
Baths	160.00	4	640.00
			0.00
			0.00
			0.00
Total No. of Fittings (No.)		4	
Total Capacity (l)			640.00
Maximum Capacity (l)			160.00
Average Capacity (l)			160.00
Weighted Average Capacity (l)			112.00
Capacity for Calculation (l)			160.00

Dishwashers

Dishwasher Type	L per Place Setting	Quantity (No.)	Total per Fitting type
Default			0.00
			0.00
Total No. of Fittings (No.)		0	
Total Consumption (l)			1.25
Maximum Consumption (l)			1.25
Average Consumption (l/min)			1.25
Weighted Average Consumption (l)			0.88
Consumption for Calculation (l/min)			1.25

Kitchen Taps

Tap Fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type
Kitchen / utility	5.00	3	15.00
			0.00
			0.00
Total No. of Fittings (No.)		3	
Total Flow (l/min)			15.00
Maximum Flow (l/min)			5.00
Average Flow (l/min)			5.00
Weighted Average Flow (l/min)			3.50
Flow for Calculation (l/min)			5.00

Water Use Assessment

Installation Type	Unit	Capacity/ Flow Rate	Use Factor	Fixed use (l/p/day)	Total Use (l/p/day)
WC Single Flush	Volume (l)	0.00	4.42	0.00	0.00
WC Dual Flush	Full Flush (l)	0.00	1.46	0.00	0.00
	Pt Flush (l)	0.00	2.96	0.00	0.00
WC's (Multiple)	Volume (l)	3.07	4.42	0.00	13.55
Taps Exc. Kitchen	Flow Rate	5.00	1.58	1.58	9.48
Bath (shower present)	(l/min)	160.00	0.11	0.00	17.60
Shower (bath present)	(l/min)	8.00	4.37	0.00	34.96
Bath Only	(l)	0.00	0.50	0.00	0.00
Shower Only	(l/min)	0.00	5.60	0.00	0.00
Kitchen Taps	(l/min)	5.00	0.44	10.36	12.56
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	(l/min)	0.00	3.08	0.00	0.00
Water Softner	(l/min)	0.00	1.00	0.00	0.00
Total Calculated Water Use (l/p/day)					109.81
Grey/RainWater Reused (l)					0.00
Normalisation Factor (Factor)					0.91
Total Consumption CSH (l/p/day)					99.93
External Water Use Allowance (l)					5.00
Total Consumption Part G (l/p/day)					104.93

Assesment Result

PASS

Showers

Shower fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type
Showers	8.00	10	80.00
			0.00
			0.00
			0.00
			0.00
			0.00
Total No. of Fittings (No.)		10	
Total Flow (l/min)			80.00
Maximum Flow (l/min)			8.00
Average Flow (l/min)			8.00
Weighted Average Flow (l/min)			5.60
Flow for Calculation (l/min)			8.00

WCs

WC Type	Full Flush Volume	Part Flush Volume	Quantity (No)
Dual flush	4.00	2.60	12
Total number of fittings			12
Average effective flushing volume			3.07

Washing Machines

Washing Machine Type	L per Kg Dry Load	Quantity (No.)	Total per Fitting type
Default			0.00
			0.00
Total No. of Fittings (No.)		0	
Total Consumption (l)			8.17
Maximum Consumption (l)			8.17
Average Consumption (l/min)			8.17
Weighted Average Consumption (l)			5.72
Consumption for Calculation (l/min)			8.17

Other Fittings

Waste Disposal Y/N	
Water softner	
Consumption beyond 4% l/p/d	

Use of grey water and harvested rainwater

Total Grey water from WHB taps (l)	
Total Available Grey Water Supply (l)	525.60
Possible Demand (l)	307.12
Grey/Rain Installed Capacity (l)	
Figure for Calculation lit/person/day	0.00