

PART G Water Calculation

Date: 06/02/2026 11:30
 Dwelling: The Copse (all dwellings)
 Worthing Road



MERCIER & THOM
 ENERGY AND BUILDING COMPLIANCE

Installation Type	Unit of Measure	Capacity/ flow Rate -1	Use Factor -2	Fixed Use (litres/ person/ day) -3	Litres/ person/ day = [(1)x(2)] + (3)
WC (single flush)	Flush Volume (litres)	0	4.42	0	0
WC (dual flush)	Full flush Volume (litres)	6	1.46	0	8.76
	Part flush Volume (litres)	4	2.96	0	11.84
WC (multiple fittings)	Average effective flushing Volume (litres)	0	4.42	0	0
Taps (excluding kitchen/ utility room taps)	Flow rate (litres/ min)	5	1.58	1.58	9.48
Bath (where shower also present)	Capacity to overflow (litres)	196	0.11	0	21.56
Shower (where bath also present)	Flow Rate (litres/ minute)	7.5	4.37	0	32.775
Bath Only	Capacity to overflow (litres)	0	0.5	0	0
Shower Only	Flow Rate (litres/ min)	0	5.6	0	0
Kitchen Taps	Flow rate (litres/ min)	5	0.44	10.36	12.56
Washing Machine	(Litres/ kg dry load)	5.33	2.1	0	11.193
Dishwasher	(Litres/ place setting)	0.73	3.6	0	2.628
Waste Disposal Unit	(Litres/ use)	0	3.08	0	0
Water Softener	(Litres/ person/ day)	0	1	0	0
-5	Total Calculated use (litres/ person/ day) =SUM(column 4)			110.796	
(6)	Contribution from greywater (litres/ person/ day)			0	
-7	Contribution from rainwater (litres/ person/ day)			0	
-8	Normalisation factor			0.91	
-9	Total water consumption (CfSH) = [(5)-(6)-(7)]x(8)			100.82436	
-10	(litres/person/day) External water use			5	
-11	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			105.82436	

The Following Water Use Products have been used:

Make/Model	Type	Litres/Person/Day
6 4 Standard -	WC (dual flush)	20.6
Standard Mixers -	Taps	9.48
Standard Thermo Mixer -	Showers	32.775
Standard - 1700	Bath	21.56
Swan Neck Mixer -	Kitchen Taps	12.56
Standard - Fitted	Washing Machines	11.193
Standard - Fitted	Dishwasher	2.628

The dwelling complies with the Code for Sustainable Homes (May 2009 and subsequent versions, The Building Regulations 2000 (as amended) The Building (approved Inspector etc) Regulations 2000 (as amended)

With a Total Water Use Per

105.82

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NET Zero Now - Planning Statements - Part L - SAP HEM and SBEM - Part O -
 Overheating - Part G - Water Efficiency - EPC - Biodiversity Net Gain - BREEAM -
 Post Occupancy Review - Expert Witness



WRc-NSF



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