Building Regulations Part G
Water Efficiency Calculations

Address :   New Dwelling Hazeldown, Church Lane, Chilcomb, Winchester SO21 1HR
Date :   26.02.24

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) (4)
WC (single flush)	Flush Volume (litres)		4.42	0.00	0
WC (dual flush)	Full flush Volume (litres)	4	1.46	0.00	5.84
	Part flush Volume (litres)	2.4	2.96	0.00	7.10
WC (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	5.00	1.58	1.58	9.48
Bath (where shower also present)	Capacity to overflow(litres)	149.00	0.11	0.00	16.39
Shower (where bath also present)	Flow Rate(litres / minute)	9.50	4.37	0.00	41.52
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.16
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.50
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			114.99
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			104.64
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			109.6

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WC (dual flush)	Dual Flush 2.4/4 litre	12.94
Taps	5 litres per minute	9.48
Baths (shower(s) present)	149 litre bath	16.39
Showers (bath(s) present)	9.5litre per minute shower	41.52
Kitchen Taps	6 litres per minute	13.00
Washing Machines	8.17 litres per kg dry load (default)	17.16
Dishwasher	1.25 litres per setting (default)	4.50

Terms and Conditions
System Requirements