

Building Regulations Part G Water Efficiency Calculation for: Typical Apartment

Installation Type	Unit of Measure	Capacity/ Flow Rate	Use Factor	Fixed use (litres/person/day)	Litres/ person/ day
WC (single flush)	Full Volume (l)	4.50	4.42	0.00	19.89
WC (dual flush)	Full flush volume (l)	0.00	1.46	0.00	0.00
	Part flush volume (l)	0.00	2.96	0.00	0.00
WC (multiple fittings)	Average effective flushing volume (l)	0.00	4.42	0.00	0.00
Taps (exc kitchen/ utility)	Flow rate (litres/min)	4.00	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow (litres)	210.00	0.11	0.00	23.10
Shower (where bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
Kitchen/ Utility taps	Flow rate (litres/min)	4.00	0.44	10.36	12.12
Washing machine	Litres/kg dry load	8.00	2.10	0.00	16.80
Dishwasher	Litres/place setting	1.27	3.60	0.00	4.57
Waste Disposal unit	Litres/use	0.00	3.08	0.00	0.00
Water Softener	Litres/person/day	0.00	1.00	0.00	0.00
Total Calculated Use (litres/person/day)					119.34
Contribution from greywater					0.00
Contribution from rainwater					0.00
Normalisation factor					0.91
Total Water Consumption (CSH)					108.60

Total Water Consumption (litres/person/day)	108.60
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Total Water Consumption <105litres/person/day?

YES