



Water Calculation

Project Reference:- Eastleigh Post Office
Block B

Date:- 13.09.24

Revision:-

Target Litres per person per day:- 110

Installation Type	Unit of Measure	Capacity/Flow Rate	Use Factor	Fixed Use	Litres/Person/Day
WC's	Average effective flushing volume (Litres)	3.062	4.42	0	13.53
Taps (Excluding Kitchen Utility Room)	Flow Rate (Litres / minute)	4	1.58	1.58	7.90
Bath (Shower also present)	Capacity to overflow (Litres)	156	0.11	0	17.16
Shower (Bath also present)	Flow Rate (Litres / minute)	8	4.37	0	34.96
Bath Only	Capacity to overflow (Litres)	0	0.5	0	
Shower Only	Flow Rate (Litres / minute)	0	5.6	0	0.00
Kitchen/Utility Room Snk Taps	Flow Rate (Litres / minute)	4.5	0.44	10.36	12.34
Washing Machine	Litres / kg dry Load	8.17	2.1	0	17.16
Dishwasher	Litres / place setting	1.25	3.6	0	4.50
Waste Disposal Unit	Litres / use		3.08	0	0.00
Water Softener	Litres / person / day		1	0	0.00
Contribution from Grey Water					0.00
Contribution from Rain Water					0.00
Σ					107.55
Normalisation Factor $\Sigma \times 0.91$					
Total Water Consumption from calculation					97.87