

Water Efficiency Calculator for new dwellings



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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	2.96	0.00	5.92
WC (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	7.00	1.58	1.58	12.64
Bath (where shower also present)	Capacity to overflow(litres)	100.00	0.11	0.00	11.00
Shower (where bath also present)	Flow Rate(litres / minute)	9.00	4.37	0.00	39.33
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)	10.00	0.44	10.36	14.76
Washing Machine	(Litres/kg dry load)	7.00	2.1	0.00	14.70
Dishwasher	(Litres/place setting)	1.50	3.6	0.00	5.40
Waste disposal unit	(Litres/use)	<input type="checkbox"/> 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)				109.59
(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)				99.73
(10)	External water use				5.0
(11)	Total water consumption (Building Regulation 17.K) = (9) + (10)(litres/person/day)				104.7

Click here to fill in details before printing:

