Water Efficiency Calculator

Site Address	Stephenson House
Planning Requirement	Condition 15 (Water Use)The development hereby approved shall achieve a maximum internal water use of 105litres/person/day, allowing 5 litres/person/day for external water use. Prior to occupation, evidence demonstrating that this has been achieved shall be submitted and approved by the Local Planning Authority.

Dwelling number / Type	Flats - Planning Target 105 litres

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)*	0	4.42	0.00	0.00
WC (dual flush)	Full flush volume *(litres)*	6	1.46	0.00	8.76
	Part flush volume *(litres)*	3	2.96	0.00	8.88
WC (multiple fittings)	Average effective flushing volume *(litres)*	0	4.42	0.00	0.00
Taps (excluding kitchen / utility room taps)	Flow rate *(litres / min)*	5.3	1.58	1.58	9.95
Bath (where shower also present)	Capacity to overflow *(litres)*	160	0.11	0.00	17.60
Shower (where bath also present)	Flow rate *(litres / min)*	9	4.37	0.00	39.33
Bath only	Capacity to overflow *(litres)*	0	0.50	0.00	0.00
Shower only	Flow rate *(litres / min)*	0	5.60	0.00	0.00
Kitchen / Utility room sink taps	Flow rate *(litres / min)*	4	0.44	10.36	12.12
Washing Machine	*(Litres / Kg dry load)*	4.6	2.10	0.00	9.66
Dishwasher	*(Litres / place setting)*	0	3.60	0.00	0.00
Waste disposal unit	*(Litres / use)*	0	3.08	0.00	0.00
Water softener	*(Litres / person / day)*	0	1.00	0.00	0.00

(5)	Total Calculated use *(litres / person / day)*	106.30
(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 (Code for Sustainable Homes) = [(5)-(6)-(7)] x (8) *(litres / person / day)*	96.74
(10)	External water use	5.00
(11)	Total water consumption (Building Regulation 17.K) = (9)+(10) *(litres / person / day)*	101.74

RESULT	PASS