

**74 Mount Crescent
Water calculations**



1. Party Summary

MEP CONSULTANT	
HIRA & KHALIQUE ASSOCIATES	
Address:	F14B Expressway, 1 Dock Road, London, E16 1AH
Lead Consultant	02034883545
Energy Assessor	A Repanas
Checked By	S Khalique
Revision Number	00
Revision Notes	
Date	22.06.2023
ARCHITECT	
Paul Henry Architects	
Address:	Ferguson House 4th Floor 113 Cranbrook Road Ilford IG1 4PU
Tel:	+44 (0 20) 8532 2448
STRUCTURAL & CIVIL CONSULTANTS	
-	
Address:	-
Tel:	-
Site:	
74 Mount Crescent	
Address:	74 Mount Crescent, Brentwood
No. Units:	
Other Info:	
Client:	
Gunnar Nosworthy	
Address:	

Water Efficiency Calculations

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)	2.68	2.96	0.00	7.93
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)	170.00	0.11	0.00	18.70
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
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)	8.00	2.1	0.00	16.80
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.50
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)			111.21
(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)			101.20
(10)		External water use			5.0
(11)		Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			106.2

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WC (dual flush)	TBC	13.77
Taps	TBC	9.48
Baths (shower(s) present)	TBC	18.70
Showers (bath(s) present)	TBC	34.96
Kitchen Taps	TBC	13.00
Washing Machines	TBC	16.80
Dishwasher	TBC	4.50