

# Part G Compliance Report

## PROJECT DETAILS

Project Reference:

Client:

Property: Flat 3, 9 Goodge Street  
London  
W1T 2PE

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Local Authority:

Agent:

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Assessor:

Address:

Contact:

Software: G-Calc 2015 version 3.0.2

Prepared on: 25-Feb-21

## RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 2 bed dwelling, as built, achieves a water consumption of 105 litres per person per day.

Compliance with Building Regulation 36(1) has been demonstrated.

**Table 1: The Water Calculator for New Dwellings**

Installation Type	Unit of measure	Value	Use factor	Fixed use	litres/person/day
WC(single flush)	Flush volume (litres)	0	4.42	0.00	0
WC(dual flush)	Full flush vol.	0	1.46	0.00	0
	Part flush vol.	0	2.96	0.00	0
WC(multiple fittings)	Average effective Flush vol. (litres)	3.66	4.42	0.00	16.18
Taps(excl. Kitchen)	Flow rate (litres/min)	4.5	1.58	1.58	8.69
Bath (shower also present)	Capacity to overflow (litres)	140	0.11	0.00	15.4
Shower (bath also present)	Flow rate (litres/min)	8	4.37	0.00	34.96
Bath only	Capacity to overflow (litres)	0	0.50	0.00	0
Shower only	Flow rate (litres/minute)	0	5.6	0.00	0
Kitchen sink taps	Flow rate (litres/minute)	6	0.44	10.36	13
Washing Machine	litres/kg dry load	8.17	2.1	0.0	17.16
Dishwasher	litres/place setting	1.25	3.6	0.0	4.5
Waste disposal	litres/use	0	3.08	0.0	0
Water softener	litres/person/day	0	1.0	0.0	0
Total calculated use (litres/person/day)					109.89
Contribution from greywater (litres/person/day)					-
Contribution from rainwater (litres/person/day)					-
Normalisation factor					0.91
Total Water Consumption. Code for Sustainable Homes (litres/person/day)					<b>100</b>
External water use					5.0
Total Water Consumption. (36(1)) (litres/person/day)					<b>105</b>

<b>Table 2: Consumption Calculator for multiple fittings for New Dwellings</b>			
2.1: Taps (excluding kitchen sink taps)			
	Flow Rate (l/min)	Quantity (No.)	Total per fitting type
1 Wash Hand Basins	4.5	2	9
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			9
Average Flow Rate (l/min)			4.5
Maximum Flow Rate (l/min)			4.5
Proportionate flow Rate (l/min)			3.15

<b>Table 2: Consumption Calculator for multiple fittings for New Dwellings</b>			
2.6: Showers			
Shower Type	Flow rate (l/min)	Quantity (No.)	Total per fitting type
1 Showers	8	2	16
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			16
Average Flow rate (l/min)			8
Maximum Flow rate (l/min)			8
Proportionate flow rate (l/min)			5.6

<b>Table 2: Consumption Calculator for multiple fittings for New Dwellings</b>			
2.7: WC's			
WC Type	Effective flushing volume (litres)	Quantity (No.)	Total per fitting type
1 WC's	3.66	2	7.32
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			7.32
Average effective flushing volume (litres)			3.66

<b>Summary of fitting types "As Built"</b>			
Type	Description	Flow rates, volumes etc.	Qty
Taps	Wash Hand Basins	4.5 litres/min	2
Baths	Bath	140 litres to overflow	1
Dishwashers	Dishwasher	1.25 litres/place	1
Washing Machines	Washing Machine	8.17 litres/kg	1
Showers	Showers	8 litres/min	2
WC's	WC's	5 / 3 litres flush vols.	2
Kitchen/Utility taps	Kitchen	6 litres/min	1

-----End of Report-----

# Notice of Water Efficiency

Building Regulation 36(2)(b) applies.

By following the Government's methodology for assessing water efficiency as set out in "Approved Document G 2015," the potential consumption of wholesome water per person per day for the new dwelling at:

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has been calculated as:

**105 litres per person per day**