Part G Compliance Report

PROJECT DETAILS

Project Reference:	CBE62144
Client:	Jason Harree
Property:	5a Palmerston Crescent London N13 4UE

A.I.:	
Agent:	Cook Brown Energy

Assessor:	Cook Brown Energy
Address:	Unit 4, Middle Bridge Business Park, Bristol Road,
Contact:	Liam Hanley
Software:	G-Calc 2015 version 3.0.2
Prepared on:	21-Mar-24

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 3 bed dwelling, as built, achieves a water consumption of 106.3 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)	3.06	4.42	0.00	13.53
Taps(excl. Kitchen)	Flow rate (litres/min)	5	1.58	1.58	9.48
Bath (shower also present)	Capacity to overflow (litres)	170	0.11	0.00	18.7
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)	111.33
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)	**101.3**
External water use	5.0
Total Water Consumption. (36(1)) (litres/person/day)	**106.3**

Table 2: Consumption Calculator for multiple fittings for New Dwellings			
2.1: Taps (excluding kitchen sink taps)			
	Flow Rate (l/min)	Quantity (No.)	Total per fitting type
1 Basin Taps	5	2	10
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			10
Average Flow Rate (l/min)			5
Maximum Flow Rate (l/min)			5
Proportionate flow Rate (l/min)			3.5

Table 2: Consumption Calculator for multiple fittings for New Dwellings			
2.6: Showers			
Shower Type	Flow rate (l/min)	Quantity (No.)	Total per fitting type
1 Shower	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

Table 2: Consumption Calculator for multiple fittings for New Dwellings			
2.7: WC's			
WC Type	Effective flushing volume (litres)	Quantity (No.)	Total per fitting type
1 WC	3.062	2	6.12
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			6.12
Average effective flushing volume (litres)			3.06

Summary of fitting types "As Built"			
Type	Description	Flow rates, volumes etc.	Qty
Taps	Basin Taps	5 litres/min	2
Baths	Bath	170 litres to overflow	1
Dishwashers	Dishwasher	1.25 litres/place	1
Washing Machines	Washing Machine	8.17 litres/kg	1
Showers	Shower	8 litres/min	2
WC's	WC	4 / 2.6 litres flush vols.	2
Kitchen/Utility taps	Kitchen/Utility Taps	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:

5a Palmerston Crescent
London

N13 4UE

has been calculated as:

106.3 litres per person per day