

Part G Compliance Report

PROJECT DETAILS

Project Reference: AJ-07-PART G
Client:
Property: 2a Longwood Avenue

WATERLOOVILLE P08 8HX

Local Authority:
Agent:

Assessor: Leighton Howe
Address: Therm Energy Limited
Contact: 01903 884357
Software: G-Calc 2015 version 3.0.2
Prepared on: 09-Feb-23

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 121.7 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)	4.66	4.42	0.00	20.6
Taps(excl. Kitchen)	Flow rate (litres/min)	5	1.58	1.58	9.48
Bath (shower also present)	Capacity to overflow (litres)	175	0.11	0.00	19.25
Shower (bath also present)	Flow rate (litres/min)	11	4.37	0.00	48.07
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)	5	0.44	10.36	12.56
Washing Machine	litres/kg dry load	7	2.1	0.0	14.7
Dishwasher	litres/place setting	1.0	3.6	0.0	3.6
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)					128.26
Contribution from greywater (litres/person/day)					-
Contribution from rainwater (litres/person/day)					- 0
Normalisation factor					0.91
Total Water Consumption. Code for Sustainable Homes (litres/person/day)					116.7
External water use					5.0
Total Water Consumption. (36(1)) (litres/person/day)					121.7

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 bathroom 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			
2.2: Baths			
	Capacity (litres)	Quantity (No.)	Total per fitting type
1 Bath	175	1	175
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			175
Average Capacity to overflow (litres)			175
Maximum Capacity to overflow (litres)			175
Proportionate capacity to overflow (litres)			122.5

Table 2: Consumption Calculator for multiple fittings for New Dwellings			
2.3: Taps (kitchen/utility sink taps)			
	Flow Rate (l/min)	Quantity (No.)	Total per fitting type
1 kitchen taps	5	1	5
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			5
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	11	1	11
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			11
Average Flow rate (l/min)			11
Maximum Flow rate (l/min)			11
Proportionate flow rate (l/min)			7.7

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 w/c	4.66	2	9.32
2			0
3			0
4			0
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			9.32
Average effective flushing volume (litres)			4.66

Summary of fitting types "As Built"			
Type	Description	Flow rates, volumes etc.	Qty
Taps	bathroom taps	5 litres/min	2
Baths	Bath	175 litres to overflow	1
Dishwashers	dishwasher default	1.0 litres/place	1
Washing Machines	Washing machine	7 litres/kg	1
Showers	shower	11 litres/min	1
WC's	w/c	6 / 4 litres flush vols.	2
		litres flush vols.	1
		litres flush vols.	1
		litres flush vols.	1
Kitchen/Utility taps	kitchen taps	5 litres/min	1

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

Notice of Water Efficiency

Building Regulation 36(2)(a) 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:

2a Longwood Avenue

WATERLOOVILLE

P08 8HX

has been calculated as:

121.7 litres per person per day