Part G Compliance Report

PROJECT DETAILS

Project Reference: AD-69 -FLAT 1 Part G
Client:
Property: FLAT 1 (top floor flat)
7-7a Canada Grove
BOGNOR REGIS PO21 1DW

Local Authority:
Agent:

Assessor:	Leighton Howe
Address:	Therm Energy Limited
Contact:	01903 884357
Software:	G-Calc 2015 version 3.0.2
Prepared on:	11-May-22

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 1 bed dwelling, as designed, achieves a water consumption of 109.9 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)	3.99	4.42	0.00	17.64
Taps(excl. Kitchen)	Flow rate (litres/min)	4	1.58	1.58	7.9
Bath (shower also present)	Capacity to overflow (litres)	0	0.11	0.00	0
Shower (bath also present)	Flow rate (litres/min)	0	4.37	0.00	0
Bath only	Capacity to overflow (litres)	0	0.50	0.00	0
Shower only	Flow rate (litres/minute)	10	5.6	0.00	56
Kitchen sink taps	Flow rate (litres/minute)	4	0.44	10.36	12.12
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)	115.32
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)	**104.9**
External water use	5.0
Total Water Consumption. (36(1)) (litres/person/day)	**109.9**

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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	4	1	4
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			4
Average Flow Rate (l/min)			4
Maximum Flow Rate (l/min)			4
Proportionate flow Rate (l/min)			2.8

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	4	1	4
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			4
Average Flow Rate (l/min)			4
Maximum Flow Rate (l/min)			4
Proportionate flow Rate (l/min)			2.8

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	10	1	10
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			10
Average Flow rate (l/min)			10
Maximum Flow rate (l/min)			10
Proportionate flow rate (l/min)			7

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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 Bathroom	3.99	1	3.99
2			0
3			0
4			0
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			3.99
Average effective flushing volume (litres)			3.99

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Summary of fitting types "As Designed"			
Type	Description	Flow rates, volumes etc.	Qty
Taps	Bathroom	4 litres/min	1
Baths		litres to overflow	1
Dishwashers	Dishwasher in Kitchen	1.25 litres/place	1
Washing Machines	Washing Machine	8.17 litres/kg	1
Showers	Shower	10 litres/min	1
WC's	Bathroom	6 / 3 litres flush vols.	1
		litres flush vols.	1
		litres flush vols.	1
		litres flush vols.	1
Kitchen/Utility taps	Kitchen	4 litres/min	1

The lower section of this table is to be filled in by the builder prior to completion. The descriptions, values and quantities should represent the 'as built' specification. Please note the values above represent design values and should not be exceeded without prior consultation with the agent/designer ().
The completed table should be returned to the assessor: Leighton Howe (Contact: 01903 884357).

Declaration of fitting types "As Built"			
Type	Make and Model	Flow rates, volumes etc.	Qty
Taps			
Baths			
Dishwashers			
Washing Machines			
Showers			
WC's			
Kitchen/Utility taps			

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The above declaration of fittings, values and quantities is a true reflection of those installed on this project.

Name: ..... Signature: ..... Date: .....

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

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