Part G Compliance Report

PROJECT DETAILS

Project Reference: BF-78 part g water
Client:
Property: Land at 11 East Street
Rusper
Horsham RH12 4RB

Local Authority:
Agent:

Assessor:
Address:
Contact:
Software: G-Calc 2015 version 3.0.2
Prepared on: 30-Oct-23

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 4 bed dwelling, as designed, achieves a water consumption of 109.3 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)	3.99	4.42	0.00	17.64
Taps(excl. Kitchen)	Flow rate (litres/min)	6	1.58	1.58	11.06
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)	8	0.44	10.36	13.88
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)	114.6
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)	**104.3**
External water use	5.0
Total Water Consumption. (36(1)) (litres/person/day)	**109.3**

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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 Taps	6	4	24
2			
3			
4			
Total (Sum of all Quantities)		4	
Total (Sum of all totals per fitting type)			24
Average Flow Rate (l/min)			6
Maximum Flow Rate (l/min)			6
Proportionate flow Rate (l/min)			4.2

Table 2: Consumption Calculator for multiple fittings for New Dwellings			
2.2: Baths			
	Capacity (litres)	Quantity (No.)	Total per fitting type
1 Baths	140	2	280
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			280
Average Capacity to overflow (litres)			140
Maximum Capacity to overflow (litres)			140
Pproportionate capacity to overflow (litres)			98

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	8	1	8
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			8
Average Flow Rate (l/min)			8
Maximum Flow Rate (l/min)			8
Proportionate flow Rate (l/min)			5.6

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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 Showers	8	3	24
2			
3			
4			
Total (Sum of all Quantities)		3	
Total (Sum of all totals per fitting type)			24
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 WCs	3.99	4	15.96
2			
3			
4			
Total (Sum of all Quantities)		4	
Total (Sum of all totals per fitting type)			15.96
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	Taps	6 litres/min	4
Baths	Baths	140 litres to overflow	2
Dishwashers		1.25 litres/place	1
Washing Machines		8.17 litres/kg	1
Showers	Showers	8 litres/min	3
WC's	WCs	6 / 3 litres flush vols.	4
Kitchen/Utility taps	Kitchen taps	8 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: the agent/designer.

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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