C.S.H. Water Report

PROJECT DETAILS

Project Reference:
Client:
Property: Chestnut Lodge, Winchester Road
Botley, Southampton
SO32 2SZ

Local Authority:
Agent:

Assessor:	Surecalc Limited
Address:	Accredited Energy Assessors
Contact:	
Software:	G-Calc 2015 version 3.0.2
Prepared on:	01-Sep-19

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 3 bed dwelling, as built, achieves an internal potable water consumption of 100.6 litres per person per day.

Credits for Sustainable homes rating: 3

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)		0.50	0.00	0
Shower only	Flow rate (litres/minute)		5.6	0.00	0
Kitchen sink taps	Flow rate (litres/minute)	4.2	0.44	10.36	12.21
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)	110.54
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)	**100.6**
External water use	5.0
Total Water Consumption. (36(1)) (litres/person/day)	**105.6**

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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	5	3	15
2			
3			
4			
Total (Sum of all Quantities)		3	
Total (Sum of all totals per fitting type)			15
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			
2.3: Taps (kitchen/utility sink taps)			
	Flow Rate (l/min)	Quantity (No.)	Total per fitting type
1	6		0
2			
3			
4			
Total (Sum of all Quantities)		1	
Total (Sum of all totals per fitting type)			0
Average Flow Rate (l/min)			0
Maximum Flow Rate (l/min)			6
Proportionate flow Rate (l/min)			4.2

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	3.062	3	9.19
2			
3			
4			
Total (Sum of all Quantities)		3	
Total (Sum of all totals per fitting type)			9.19
Average effective flushing volume (litres)			3.06

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Summary of fitting types "As Built"			
Type	Description	Flow rates, volumes etc.	Qty
Taps		5 litres/min	3
Baths		170 litres to overflow	1
Dishwashers		1.25 litres/place	1
Washing Machines		8.17 litres/kg	1
Showers		8 litres/min	1
WC's		4 / 2.6 litres flush vols.	3
Kitchen/Utility taps		6 litres/min	1

Project ref: - Chestnut Lodge, Winchester Road

I confirm the above schedule of fittings, values and quantities is a true reflection of those installed on this project.
I also confirm that action was taken to avoid microbial contamination.

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

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

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