Part G Compliance Report

PROJECT DETAILS

Project Reference:	ZK6501the Barn
Client:	
Property:	The Barn (Woodmans Barn) Woodmans Farm, London Road Ashington RH20 3AU

Local Authority:	Horsham District Council
Agent:	CPA Property

Assessor:	Joe Solti
Address:	Therm Energy Ltd
Contact:	01903 884357
Software:	G-Calc 2015 version 3.0.2
Prepared on:	18-Nov-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 101.2 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)	2.99	4.42	0.00	13.22
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)	9	5.6	0.00	50.4
Kitchen sink taps	Flow rate (litres/minute)	5	0.44	10.36	12.56
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)	105.74
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)	**96.2**
External water use	5.0
Total Water Consumption. (36(1)) (litres/person/day)	**101.2**

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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	4	2	8
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			8
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 - restricted	9	2	18
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			18
Average Flow rate (l/min)			9
Maximum Flow rate (l/min)			9
Proportionate flow rate (l/min)			6.3

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 Toilets	2.995	2	5.99
2			0
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			5.99
Average effective flushing volume (litres)			2.99

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Summary of fitting types "As Built"			
Type	Description	Flow rates, volumes etc.	Qty
Taps	Taps	4 litres/min	2
Baths		litres to overflow	1
Dishwashers	Indesit	1.25 litres/place	1
Washing Machines	Indesit	8.17 litres/kg	1
Showers	Shower - restricted	9 litres/min	2
WC's	Toilets	4 / 2.5 litres flush vols.	2
		litres flush vols.	1
Kitchen/Utility taps	Taps - restricted	5 litres/min	1

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

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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:

The Barn (Woodmans Barn)
Woodmans Farm, London Road
Ashington

RH20 3AU

has been calculated as:

101.2 litres per person per day