Part G Compliance Report

PROJECT DETAILS

Project Reference:	Pinocchio House
Client:	Steve Hodges
Property:	Pinocchio House Cliff Road Hythe CT21 5XJ

Local Authority:	Folkestone and Hythe District Council
Agent:	

Assessor:	Brian Symes
Address:	RedFan Solutions
Contact:	08008611920
Software:	G-Calc 2015 version 3.0.2
Prepared on:	28-Mar-24

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 109.9 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)	3.06	4.42	0.00	13.53
Taps(excl. Kitchen)	Flow rate (litres/min)	4	1.58	1.58	7.9
Bath (shower also present)	Capacity to overflow (litres)	220	0.11	0.00	24.2
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)	6	0.44	10.36	13
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)	115.25
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	4	7	28
2			
3			
4			
Total (Sum of all Quantities)		7	
Total (Sum of all totals per fitting type)			28
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			
2.2: Baths			
	Capacity (litres)	Quantity (No.)	Total per fitting type
1	220	2	440
2			
3			
4			
Total (Sum of all Quantities)		2	
Total (Sum of all totals per fitting type)			440
Average Capacity to overflow (litres)			220
Maximum Capacity to overflow (litres)			220
Pproportionate capacity to overflow (litres)			154

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	3	18
2			
3			
4			
Total (Sum of all Quantities)		3	
Total (Sum of all totals per fitting type)			18
Average Flow Rate (l/min)			6
Maximum Flow Rate (l/min)			6
Proportionate flow Rate (l/min)			4.2

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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	8	4	32
2			
3			
4			
Total (Sum of all Quantities)		4	
Total (Sum of all totals per fitting type)			32
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	3.062	5	15.31
2			
3			
4			
Total (Sum of all Quantities)		5	
Total (Sum of all totals per fitting type)			15.31
Average effective flushing volume (litres)			3.06

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Summary of fitting types "As Designed"			
Type	Description	Flow rates, volumes etc.	Qty
Taps		4 litres/min	7
Baths		220 litres to overflow	2
Dishwashers		1.25 litres/place	1
Washing Machines		8.17 litres/kg	1
Showers		8 litres/min	4
WC's		4 / 2.6 litres flush vols.	5
Kitchen/Utility taps		6 litres/min	3

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: Brian Symes (Contact: 08008611920).

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			

Project ref: Pinocchio House - Pinocchio House

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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