

Part G Compliance Report

PROJECT DETAILS

Project Reference: BE2053
Client:
Property: Plough Lane
Teddington
TW11 9BN

Local Authority: The London Borough of Richmond upon Thames
Agent: Union Architecture

Assessor: Build Energy Ltd.
Address: info@buildenergy.co.uk (01202) 280062
Contact: Mr Sean Mills.
Software: G-Calc 2015 version 3.0.2
Prepared on: 01-Apr-20

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 2 bed dwelling, as designed, achieves a water consumption of 106.3 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)		4.42	0.00	
WC(dual flush)	Full flush vol.	4	1.46	0.00	5.84
	Part flush vol.	2.6	2.96	0.00	7.7
WC(multiple fittings)	Average effective Flush vol. (litres)		4.42	0.00	
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)	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)					111.34
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)					101.3
External water use					5.0
Total Water Consumption. (36(1)) (litres/person/day)					106.3

Summary of fitting types "As Designed"			
Type	Description	Flow rates, volumes etc.	Qty
Taps	TBC	5 litres/min	1
Baths	TBC	170 litres to overflow	1
Dishwashers	TBC	1.25 litres/place	1
Washing Machines	TBC	8.17 litres/kg	1
Showers	TBC	8 litres/min	1
WC's	TBC	4 / 2.6 litres flush vols.	1
Kitchen/Utility taps	TBC	6 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 (Union Architecture).
The completed table should be returned to the assessor: Build Energy Ltd. (Contact: Mr Sean Mills.).

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-----