

Part G Compliance Report

PROJECT DETAILS

Property:	Land adjacent 32 Manor road, Hayesm UB3 2DG
Assessor:	Sam Beckett
Address:	ZBSA, Wessex Court, Clarence Street, Swindon, SN1 2DJ
Contact	0208 8989 504
Software G-Cals 2020	G-Cals 20
Prepared on	15th May 2025

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water consumption of efficiency. This dwelling achieves designed compliance

Type:	2 Bed - 3 People
Achieves:	103.95 Litres per person per day

Compliance with Building Regulation 36(1) has been demonstrated.

Water consumption calculations

It is a requirement of Approved Document G of the Building Regulations that all new dwellings (including those created through a material change of use) must achieve a projected water consumption of no more than 110 litres per person, per day.

The projected water consumption is to be calculated in accordance with the methodology set out in The Water Efficiency Calculator for new dwellings.

We can provide you with a copy of the calculations required for compliance with Approved Document G. Furthermore, to ensure every dwelling achieves a pass we will advise you on the minimum acceptable efficiency for each fitting.

Factors that affect the calculated water consumption of a dwelling include:

- * The flow rate of showers and taps;
- * The capacity of baths;
- * The flushing capacity of WCs;
- * The consumption per place setting of dishwashers;
- * The consumption per kilogram of dry load for washing machines;
- * The efficiency of water softeners (where present); and
- * Whether there is any on-site rainwater or greywater harvesting.

Table 1: The Water Calculator for New Dwellings

Installation Type	Unit of measure	Value	Use factor	Fixed use	litres/person/day
WC (single flush)	Flash volume	4.5	4.42	0.00	0
WC (dual flush)	Full flush vol.	4	1.46	0.00	5.84
WC (dual flush)	Pat flush vol.	2	2.96	3.00	5.92
WC (multiple fittings)	Average effective	0	4.42	0.00	0
Taps (excl kitchen)	Flow rate (litres/min)	5	1.58	1.58	9.48
Bath (shower also present)	Capacity to overflow (litres)	70	0.11	0.00	7.7
Shower (bath also present)	Flow rate (litres/min)	8.5	4.37	0.00	37.145
Bath only	Capacity to overflow (litres)	0	0.88	0.00	0
Shower only	Capacity to overflow (litres)	0	4.6	0.00	0
Kitchen sink taps	Flow rate (litres/min)	5	0.44	10.36	12.56
Washing Machine	litres/kg dry load	8.17	2.1	0.00	17.157
Dishwasher	litres/place setting	5.12	3.6	0.00	18.432
Waste Disposal	litres/use	0	3.08	0.00	0
Water softener	litres/person/day	0	1	0.00	0
Total Calculated use (litres/person/day)					114.23
Contribution from greywater (litres/person/day)					-
Contribution from rain water (litres/person/day)					-
Normalisation factor					0.91
Total Water Consumption. (36(1)) (litres/person/day)					103.95

Type of dwelling: 2 Bed - 3 People
Number of people: 3

Summary of fitting types 'As designed'		Qty
Description	Flowrates, Volumes etc	
Taps	2.3 litres/min	3
Bath	60 litres to overflow	1
Dishwasher	5.12 litres/kg	1
Washing Machines	8.17 litres/kg	1
Showers *	10 litres/min	1
WC	4 / 2.6 litres flush vols	3
Kitchen/Utility Tap	5 litres / min	1

* Shower with flow restrictions