Plasmor
CONCRETE PRODUCTS

PART G COMPLIANCE – WATER EFFICIENCY FOR NEW DWELLINGS

18.03.2024 Luke Butler - Elmhurst Accreditation Number Y070-0001
Site : Hill House, Colden Lane, Old Alresford

Installation type	Unit of Measure	Capacity/ flow rate	Use Factor	Fixed use (litres/person/day)	Litres/person/day = [(1) x (2)] +3
		(1)	(2)	(3)	(4)
WC (single flush)	Flush volume	0	4.42	0	0.00
WC (dual flush	Full flush volume (litres)	6	1.46	0	8.76
	Part flush volume (litres)	3	2.96	0	8.88
WCs (multiple fittings)	Average effective flushing volume (litres)		4.42	0	0.00
Taps (excluding kitchen/utility room taps)	Flow rate (litres/minute)	6	1.58	1.58	11.06
Bath (where shower also present)	Capacity to overflow (litres)	200	0.11	0	22.00
Shower (where bath also present)	Flow rate (litres/minute)	10	4.37	0	43.70
Bath only	Capacity to overflow (litres)	0	0.5	0	0.00
Shower only	Flow rate (litres/minute)	0	5.6	0	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	8	0.44	10.36	13.88
Washing machine	Litres/kg dry load	8.17	2.1	0	17.16
Dishwasher	Litres/place setting	1.25	3.6	0	4.50
Waste disposal unit	Litres/use	0	3.08	0	0.00
Water softener	Litres/person/ day	0	1	0	0.00
	(5)	Total calculated use (litres/person/day) = (sum column 4)			129.94
	(6)	Contribution from greywater			0.00
	(7)	Contribution from rainwater			0.00
	(8)	Normalisation factor			0.91
	(9)	Total water consumption = [(5)-(6)-(7)] x (8) (litres/person/day)			118.24
	(10)	External water use			5.00
	(11)	Total water consumption = (9) + (10) (litres/person/day)			**123.24**

Calculated in accordance with Communities and Local Government Water Efficiency Calculator (September 2009)

Summary

Hill House, Colden Lane, Old Alresford achieves 123.24 litres per person per day. Therefore, all plots comply with the water performance target set out in Building Regulation 17K.