

Site
ST GEORGES KEEP
Castle Avenue, Havant



PERSIMMON

Together, we make a home

Housetype	20 units - Housing Association
Ref No:- 01	
Date :- Sept 2020	Rev :- updated to specification

	Target	Required Y/N	Total Consumption	Passed
Water Performance Target - Regulation 36 - 2(a) - l/p/d	125	N	n/a	-
Water Performance Target - Regulation 36 - 2(b) - l/p/d	110	Y	104.68	PASS
Water Performance Target - Code for Sustainable Homes Level 4	105	N	n/a	-

Fitting	Type - as per HA Specification	Capacity / Flow Rate	
		Full	Part
WC (Single/Dual Flush)	Ideal standard Tempo close coupled 4/2.6l	4	2.6
Taps (ex. Kitchen/utility)	Single basin pillar taps. Ideal Calista Basin Pillar Taps	4	
Taps - Kitchen/utility	Peglerflow SL 4J4011 with 6l/m regulator	11	
Bath	Ideal Standard Sandringham 21 Steel 170 x 70 Bath	160	
Shower	Mira 'Agile S EV Eco' Thermostatic Barrel Shower Valve with 8l/m regulator as standard.	8	
Washing Machine		8.17	
Dishwasher		1.25	
Waste Disposal		n/a	
Water Softner		n/a	

Rainwater Contribution	
Greywater Contribution	

Water efficiency calculation					
Installation Type	Unit of measurement	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use /litres/ person/day	(4) Fixed use /litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)	0	4.42	0	0.00
WC (dual flush)	Full flush volume (litres)	4	1.46	0	5.84
	Part flush volume (litres)	2.6	2.96	0	7.70
WCs (multiple fittings)	Average effective flushing volume (litre)		4.42	0	0.00
Taps (excluding kitchen/ utility room taps)	Flow rates (litres/minute)	4	1.58	1.58	7.90
Bath (where shower also present)	Capacity to over flow (litres)	160	0.11	0	17.60
Shower (where bath also present)	Flow rate (litres/minute)	8	4.37	0	34.96
Bath only	Capacity to over flow (litres)	0	0.5	0	0.00
Shower only	Flow rate (litres/minute)	0	5.6	0	0.00
Kitchen/ Utility 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 If present = 1 / If absent = 0	0	3.08	0	0.00
Water softener	Litres/person/day If present = 1 / If absent = 0	0		0	0.00
(5) Total calculated use = (sum of column 4)					109.53
(6) Contribution for grey water (litres/person/day)					0.00
(7) Contribution for Rain water (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total water consumption = [(5) – (6) – (7)] x (8)					99.68
(10) External water used					5.00
(11) Total water consumption = (9) + (10) (litres/person/day)					104.68