Water Efficiency Calculator for New Dwellings (V1f - Aug 2010)

Project Details

Adress/Reference	Weston	Case Reference	Rendlesham
Number of Bedrooms	2	Occupancy for Calculation Purposes	3

Appliance/Useage Details

Taps (Excluding Kitchen Taps)

Tap Fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type
Sottini Tesino mixer tap	5.00	2	10.00
			0.00
			0.00
			0.00
			0.00
			0.00
Total No. of Fittings (No.)		2	
Total Flow (l/s)			10.00
Maximum Flow (l/s)			5.00
Average Flow (l/s)			5.00
Weighted Average Flow (l/s)			3.50
Flow for Calculation (l/s)			**5.00**

Showers

Shower fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type
Kohler Mira 'AGILE S EV	6.00	1	6.00
			0.00
			0.00
			0.00
			0.00
			0.00
Total No. of Fittings (No.)		1	
Total Flow (l/s)			6.00
Maximum Flow (l/s)			6.00
Average Flow (l/s)			6.00
Weighted Average Flow (l/s)			4.20
Flow for Calculation (l/s)			**6.00**

Baths

Bath Type	Capacity to Overflow	Quantity (No.)	Total per Fitting type
Alto 170x70	175.00	1	175.00
			0.00
			0.00
			0.00
Total No. of Fittings (No.)		1	
Total Capacity (l)			175.00
Maximum Capacity (l)			175.00
Average Capacity (l)			175.00
Weighted Average Capacity (l)			122.50
Capacity for Calculation (l)			**175.00**

WCs

WC Type	Full Flush Volume	Part Flush Volume	Quantity (No)
Alto CC WC	6.00	4.00	2
Total number of fittings			**2**
Average effective flushing volume			**4.67**

Dishwashers

Dishwasher Type	L per Place Setting	Quantity (No.)	Total per Fitting type
	1.25	1	1.25
			0.00
Total No. of Fittings (No.)		1	
Total Consumption (l)			1.25
Maximum Consumption (l)			1.25
Average Consumption (l/s)			1.25
Weighted Average Consumption (l)			0.88
Consumption for Calculation (l/s)			**1.25**

Washing Machines

Washing Machine Type	L per Kg Dry Load	Quantity (No.)	Total per Fitting type
	8.17	1	8.17
			0.00
Total No. of Fittings (No.)		1	
Total Consumption (l)			8.17
Maximum Consumption (l)			8.17
Average Consumption (l/s)			8.17
Weighted Average Consumption (l)			5.72
Consumption for Calculation (l/s)			**8.17**

Kitchen Taps

Tap Fitting Type	Flow Rate Litres/Min	Quantity (No.)	Total per Fitting type
Aquadisc 2	3.80	1	3.80
			0.00
			0.00
Total No. of Fittings (No.)		1	
Total Flow (l/s)			3.80
Maximum Flow (l/s)			3.80
Average Flow (l/s)			3.80
Weighted Average Flow (l/s)			2.66
Flow for Calculation (l/s)			**3.80**

Other Fittings

Waste Disposal Y/N	
Water softner	
Consumption beyond 4% l/p/d	

Use of grey water and harvested rainwater

Total Grey water from WHB taps (l)	0
Total Availble Grey Water Supply (l)	136.41
Possible Demand (l)	113.35
Grey/Rain Installed Capacity (l)	0.00
Figure for Calculation lit/person/day	0.00

Water Use Assessment

Installation Type	Unit	Capacity/ Flow Rate	Use Factor	Fixed use (l/p/day)	Total Use (l/p/day)
WC Single Flush	Volume (l)	0.00	4.42	0.00	0.00
WC Dual Flush	Full Flush (l)	0.00	1.46	0.00	0.00
	Pt Flush (l)	0.00	2.96	0.00	0.00
WC's (Multiple)	Volume (l)	4.67	4.42	0.00	20.63
Taps Exc. Kitchen	Flow Rate	5.00	1.58	1.58	9.48
Bath (shower present)	(l/s)	175.00	0.11	0.00	19.25
Shower (bath present)	(l/s)	6.00	4.37	0.00	26.22
Bath Only	(l)	0.00	0.50	0.00	0.00
Shower Only	(l/s)	0.00	5.60	0.00	0.00
Kitchen Taps	(l/s)	3.80	0.44	10.36	12.03
Washing Machines	(l/kgdry)	8.17	2.10	0.00	17.16
Dishwashers	(l/place)	1.25	3.60	0.00	4.50
Waste Disposal	(l/s)	0.00	3.08	0.00	0.00
Water Softner	(l/s)	0.00	1.00	0.00	0.00
Total Calculated Water Use (l/p/day)					**109.27**
Grey/RainWater Reused (l)					0.00
Normalisation Factor	(Factor)				0.91
Total Consumption CSH (l/p/day)					**99.43**
External Water Use Allowance (l)					5.00
Total Comsumption Part G (l/p/day)					**104.43**

Assesment Result	**PASS**