

WAT 1 - Calculator

Code for Sustainable Homes

Site Information	
Site Name	Plot 7
Reg Number	
Street 1	Pod Corner
Street 2	Rye Road
Area	Brooklands
Town or City	Kent
Post Code	

Installation Type	Average Capacity/Flow Rate	Litres/Person/Day
Single Flush WC's	0	0
Dual Flush WC's	3.5	15.45
All WC's	3.5	15.47
Kitchen/Utility Room Taps	9.55	14.56
Other Taps	5	9.48
Baths	228	25.08
Showers	5	21.85
Dishwashers	0.79	2.84
Washing Machines	8	16.8
Water Softener		
Waste Disposal Unit	Not Present	0
Total Water Use	106.08 Litres/Person/Day	
Contribution from Rain Water	0 Litres/Person/Day	
Contribution from Grey Water	0 Litres/Person/Day	
Normalisation Factor	0.91 Litres/Person/Day	

Code for Sustainable Homes - Consumptions & Credits	
Water Consumption (Code for Sustainable Homes)	96.5 Litres/Person/Day
Credits Scored	3

Building Regulations 2000 AD Part G (2010 Ed) - Consumption	
External Water Use	5 Litres/Person/Day
Water Consumption (Building Regulation 17 K)	101.5 Litres/Person/Day

WAT 1 - Calculator

Code for Sustainable Homes

Kitchen/Utility Room Taps						
Description	Flow Rate	Qty	Total Water	Grey Water	Rain Water	Net Water
Kitchen tap - 9.55 capacity/flow rate	9.55	2	19.1	0	0	19.1
Total Litres/Person/Day Gross						14.56
Total Litres/Person/Day Gross						14.56

Other Taps						
Description	Flow Rate	Qty	Total Water	Grey Water	Rain Water	Net Water
Taps - 5.00 capacity/flow rate	5	2	10	0	0	10
Total Litres/Person/Day Gross						9.48
Total Litres/Person/Day Gross						9.48

Baths						
Description	Capacity	Qty	Total Water	Grey Water	Rain Water	Net Water
Bath/shower mixer – 228.00 capacity/flow rate	228	1	228	0	0	228
Total Litres/Person/Day Gross						25.08
Total Litres/Person/Day Gross						25.08

Showers						
Description	Flow Rate	Qty	Total Water	Grey Water	Rain Water	Net Water
Shower – 5.00 capacity/flow rate	5	1	5	0	0	5
Total Litres/Person/Day Gross						21.85
Total Litres/Person/Day Gross						21.85

Washing Machines						
Description	L/Kg Dry Load	Qty	Total Water	Grey Water	Rain Water	Net Water
Washing Machine - 8kg	8	1	8			8
Total Litres/Person/Day Gross						16.8
Total Litres/Person/Day Gross						16.8

Dishwashers						
Description	L/Place Setting	Qty	Total Water	Grey Water	Rain Water	Net Water
Dishwasher - 0.79 capacity/flow rate	0.79	1	0.79	0	0	0.79
Total Litres/Person/Day Gross						2.84
Total Litres/Person/Day Gross						2.84

Single Flush WC's						
Description	Flush Volume	Qty	Total Water	Grey Water	Rain Water	Net Water
Total Litres/Person/Day Gross						0
Total Litres/Person/Day Gross						0

Dual Flush WC's						
Description	Flush Vol (P/F)	Qty	Total Water	Grey Water	Rain Water	Net Water
Full flush volume (Litres) 4.5 capacity/flow rate part flush volume 3/4.5	3/4.5	1	3.5			0
Total Litres/Person/Day Gross						15.45
Total Litres/Person/Day Gross						15.45

Ion Exchange Water Softener	
% of Total Capacity Used Per	
Water Consumed Per Regeneration	
Average Regeneration Cycles Per Day	
Occupants Served by the System	
Water Consumed Beyond 4%	
Water Consumed Beyond 4%	

Rain Water Collection	
Collection Area	
Yield Co-Efficient	
Hydraulic Filter Efficiency	
Average Rainfall	
Daily Rain Water Collection	
Number of Occupants	
Daily Rain Water Per Person	