

Plot 650 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
(5)	Total Calculated use (litres/person/day) =SUM(column 4)				111.68
(6)	Contribution from greywater (litres/person/day)				0
(7)	Contribution from rainwater (litres/person/day)				0
(8)	Normalisation factor				0.91
(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)				101.63
(10)	External water use				5.0
(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)				106.6

Installation Type	Make/Model (mandatory)	Litres/ Person/ Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	3	1	3.00
2	4	2	8.00
3			4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	2	12.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			12.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
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Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
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Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
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Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 651 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
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Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1		1	3.00
2		1	4.00
3		1	4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
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Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
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Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
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Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 652 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1		1	3.00
2		1	4.00
3		1	4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 653 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1		1	3.00
2		1	4.00
3		1	4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 654 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	6.00	4.37	0.00	26.22
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
	(5)	Total Calculated use (litres/person/day) =SUM(column 4)			102.94
	(6)	Contribution from greywater (litres/person/day)			0
	(7)	Contribution from rainwater (litres/person/day)			0
	(8)	Normalisation factor			0.91
	(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)			93.67
	(10)	External water use			5.0
	(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)			98.7

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1		1	3.00
2		1	4.00
3		1	4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	6	1	6.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			6.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV + 6 1/m Flow Restrictor Supplied with product (1.1943.001)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 655 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.75	1.58	1.58	7.51
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
(5)	Total Calculated use (litres/person/day) =SUM(column 4)				111.82
(6)	Contribution from greywater (litres/person/day)				0
(7)	Contribution from rainwater (litres/person/day)				0
(8)	Normalisation factor				0.91
(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)				101.75
(10)	External water use				5.0
(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)				106.8

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.51
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	34.96
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 4	15.96
Total (Sum of all Quantities) (d)			4	
Total (Sum of all totals per fitting type) (e)				15.96
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.51
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	34.96
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	3	1	3.00
2	4	3	12.00
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		4	
Total (Sum of all totals per fitting type) (e)			15.00
Average flow rate (litres/min) = [(e)/(d)]			3.75
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.51
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	34.96
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	2	12.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			12.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.51
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	34.96
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.51
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	34.96
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	2	16.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			16.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.51
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	34.96
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 656 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
(5)	Total Calculated use (litres/person/day) =SUM(column 4)				111.68
(6)	Contribution from greywater (litres/person/day)				0
(7)	Contribution from rainwater (litres/person/day)				0
(8)	Normalisation factor				0.91
(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)				101.63
(10)	External water use				5.0
(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)				106.6

Installation Type	Make/Model (mandatory)	Litres/ Person/ Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	3	1	3.00
2	4	2	8.00
3			4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	2	12.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			12.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 657 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
(5)	Total Calculated use (litres/person/day) =SUM(column 4)				111.68
(6)	Contribution from greywater (litres/person/day)				0
(7)	Contribution from rainwater (litres/person/day)				0
(8)	Normalisation factor				0.91
(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)				101.63
(10)	External water use				5.0
(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)				106.6

Installation Type	Make/Model (mandatory)	Litres/ Person/ Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	3	1	3.00
2	4	2	8.00
3			4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	2	12.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			12.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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Plot 658 As built Water Efficiency Calculation

Installation Type	Unit of Measure	Capacity/Flow rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day = [(1)x(2)] + (3) (4)
we (single flush)	Flush Volume (litres)		4.42	0.00	0
we (dual flush)	Full flush Volume (litres)	6	1.46	0.00	8.76
	Part flush Volume (litres)	3	2.96	0.00	8.88
we (multiple fittings)	Average effective flushing Volume (litres)		4.42	0.00	0
Taps (excluding kitchen/utility room taps)	Flow rate (litres/min)	3.67	1.58	1.58	7.37
Bath (where shower also present)	Capacity to overflow(litres)	155.00	0.11	0.00	17.05
Shower (where bath also present)	Flow Rate(litres / minute)	8.00	4.37	0.00	34.96
Bath Only	Capacity to overflow(litres)		0.50	0.00	0
Shower Only	Flow Rate (litres/minute)		5.60	0.00	0
Kitchen/Utility room sink taps	Flow rate (litres/minute)	6.00	0.44	10.36	13.00
Washing Machine	(Litres/kg dry load)	8.17	2.1	0.00	17.157
Dishwasher	(Litres/place setting)	1.25	3.6	0.00	4.5
Waste disposal unit	(Litres/use)	☐ Present	3.08	0.00	0
Water Softener	(Litres/person/day)		1.00	0.00	0
(5)	Total Calculated use (litres/person/day) =SUM(column 4)				111.68
(6)	Contribution from greywater (litres/person/day)				0
(7)	Contribution from rainwater (litres/person/day)				0
(8)	Normalisation factor				0.91
(9)	Total internal water consumption = [(5)-(6)-(7)]x(8) (litres/person/day)				101.63
(10)	External water use				5.0
(11)	Total water consumption (Building Regulation 17.K) =(9)+(10)(litres/person/day)				106.6

Installation Type	Make/Model (mandatory)	Litres/ Person/ Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
Taps	Cloaks - Bristan - PISA Chrome Small Mixer + Bristan Flow Restrictor (Eco Tap3) Basin - Bristan - PISA Chrome Mixer (PS BAS C) + Bristan Flow Restrictor (Eco Tap4)	7.90
Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
Showers (bath(s) present)	Mira Minimal EV (1.1943.001) + Bristan Flow Restrictor (ECO SHW 08)	26.22
Kitchen Taps	Leisure - Aquamono Single Lever Tap Chrome (TM040) + Bristan Flow Restrictor (Eco Tap6)	13.00
Washing Machines		17.157
Dishwasher		4.5



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WCType	Effective Flushing volume* (litres) (a)		Quantity (No.) (b)	Total per Fitting Type = (a)x(b) (c)
Multiple Fittings?	D			
Dual Flush?	lr.i			
	Full Flushing volume x 0.33	Part Flushing volume x 0.67	(a)	
1	6	3	3.99 3	11.97
Total (Sum of all Quantities) (d)			3	
Total (Sum of all totals per fitting type) (e)				11.97
Average effective flushing volume (litres)=(e)/(d)				3.99
[Calculate]				

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Baths (shower(s) present)	Roca Oslo Acrylic Bath 155 litre capacity (2247998500)	17.05
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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	3	1	3.00
2	4	2	8.00
3			4.00
4			
5			
6			
Total (Sum of all Quantities) (d)		3	
Total (Sum of all totals per fitting type) (e)			11.00
Average flow rate (litres/min) = [(e)/(d)]			3.67
Maximum flow rate (litres/min) (f)			4.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			2.80
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Tap Fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
1	6	2	12.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		2	
Total (Sum of all totals per fitting type) (e)			12.00
Average flow rate (litres/min) = [(e)/(d)]			6.00
Maximum flow rate (litres/min) (f)			6.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			4.20
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Washing Machines		17.157
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Bath Fitting Type	Capacity to overflow(litres) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any showers present?	r-1		
1	1155 _____	1 _____	155.00
2	_____	_____	
3	_____	_____	
4	_____	_____	
5	_____	_____	
6	_____	_____	
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			155.00
Average capacity to overflow(litres) = [(e)/(d)]			155.00
Maximum Capacity to overflow (litres) (f)			155.00
Weighted Average capacity to overflow(litres) = [(f)x0.7]			108.50
[Calculate]			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
we (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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Washing Machines		17.157
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Shower fitting Type	Flow rate (litres/min) (a)	Quantity (No.) (b)	Total per Fitting Type =(a)x(b) (c)
Are there any Baths Present?	r.		
1	8	1	8.00
2			
3			
4			
5			
6			
Total (Sum of all Quantities) (d)		1	
Total (Sum of all totals per fitting type) (e)			8.00
Average flow rate (litres/min) = [(e)/(d)]			8.00
Maximum flow rate (litres/min) (f)			8.00
Weighted Average flow rate (litres/min) = [(f)x0.7]			5.60
Calculate			

Installation Type	Make/Model (mandatory)	Litres/Person/Day
WE (dual flush)	Roca Basic Tank with AG valve (under window) 3/6 litre flush (A8901212A0)	17.64
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