

Job no:	MC1102
Date:	25.06.21
Assessor name:	N Theaker
Registration no:	
Development name:	Angel Meadows Plot 5

Dwelling Type:	1	2	3	4	5	6	7	8	9	10
Dwelling type description:	1 Bed	2 Bed	3 Bed							
WC	17.64	17.64	17.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Taps (excluding kitchen taps)	9.64	9.64	9.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bath	43.00	9.46	9.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shower	0.00	39.33	39.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kitchen sink taps	14.76	14.76	14.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Washing machine	14.70	14.70	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dishwasher	12.60	12.60	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waste Disposal Unit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Softener	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Contribution from Greywater										
Contribution from Rainwater										
Contribution from Grey/Rainwater (combined system)										
Normalisation factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Total Water Consumption	102.2	107.5	107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Code for Sustainable Homes - credits awarded	3	2	2	0	0	0	0	0	0	0
CSH Mandatory Level	Level 3/4	Level 1/2	Level 1/2	-	-	-	-	-	-	-
External Water Use	5	5	5	5	5	5	5	5	5	5
17. K - Litres/person/day	107.2	112.5	112.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17. K Compliance?	Yes	Yes	Yes	-	-	-	-	-	-	-

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Job no:	MC1102
Date:	25.06.21
Assessor name:	N Theaker
Rainwater Greywater 1 Results	
Development name:	Angel Meadows Plot 5
Issue Date:	

WATER EFFICIENCY CALCULATOR FOR NEW DWELLINGS

(for use with the Code for Sustainable Homes issues Wat 1 for the May 2009 and subsequent versions)

BUILD SPREADSHEET

Dwelling Description 1 Bed

1st step - Select from options below:

Is a Rain and/or Greywater system specified?	No
Is a shower AND bath present?	No
Has a washing machine been specified?	Yes
Has a dishwasher been specified?	Yes

2nd step - Build spreadsheet (click button below)

As soon as this button is pressed the spreadsheet will change according to the options selected previously in the 1st step. Scroll down to see the changes.

3rd step - Enter consumption details for the specified fittings

TAPS (excluding kitchen taps)		Fitting type	Flow rate (litres/min)	Number of fittings
	1	Vado	5.10	1
	2			
	3			
	4			
	Proportionate flow rate (litres/min)			3.57
Consumption / person / day (Litres)			9.64	

BATHS		Fitting type	Capacity to overflow (litres)	Number of fittings
Please make sure that either bath or shower is filled in	1	Kaldewei Eurowa	86.00	1
	2			
	3			
	4			
	Proportionate capacity to overflow (litres)			60.20
Consumption / person / day (Litres)			43.00	

SHOWERS		Fitting type	Flow rate (litres/min)	Number of fittings
Please make sure that either bath or shower is filled in	1			
	2			
	3			
	4			
	Proportionate flow rate (litres/min)			0.00
Consumption / person / day (Litres)			0.00	
DISHWASHER		Fitting Type	Litres per place setting	Number of fittings
	1	Bosch	3.50	1
	2			
	3			
	4			
	Proportionate litres per place setting			2.45
Consumption / person / day (Litres)			12.60	
WASHING MACHINES		Fitting Type	Litres per kilogram of dry load	Number of fittings
	1	Bosch	7.00	1
	2			
	3			
	4			
	Where no washing machines have been specified but plumbing for future supply of grey/rainwater was installed, please enter details:			
Proportionate of litres/kg of dry load			4.90	
Consumption / person / day (Litres)			14.70	
WC's	Fitting Type	Flush Type	Volume**	Number of fittings
1	Vitra	Full Flush	6.00	1
		Part Flush	3.00	
2		Full Flush		
		Part Flush		
3		Full Flush		
		Part Flush		
4		Full Flush		
		Part Flush		
Average effective flushing volume (litres)			3.99	
Consumption / person / day (Litres)			17.64	

KITCHEN SINK TAPS		Fitting Type	Flow rate (litres/minute)	Number of fittings
	1	Hansgrohe	10.00	1
	2			
	3			
	4			
Proportionate flow rate (litres/min)				7.00
Consumption / person / day (Litres)				14.76

WASTE DISPOSAL UNIT		
Is a waste disposal unit specified for the dwelling?	No	
	Consumption / person / day (Litres)	0.00

WATER SOFTENER		
Water Softener in use?	No	
Total capacity used per regeneration (%)		
Water consumed per regeneration (litres)		
Average number of regeneration cycles per day (No.)		
Number of occupants served by the system (No.)		
	Water consumed beyond 4% person / day (Litres)	0.00

4th step - Analyse Results	Go to Start
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INTERNAL WATER CONSUMPTION		
NET INTERNAL WATER CONSUMPTION	(litres/person/day)	112.34
RAINWATER ONLY COLLECTION SAVING	(litres/person/day)	0.00
GREYWATER ONLY RECYCLING SAVING	(litres/person/day)	0.00
RAIN/GREYWATER COLLECTION SAVING (combined system)	(litres/person/day)	0.00
NORMALISATION FACTOR	(litres/person/day)	0.91
TOTAL WATER CONSUMPTION	(litres/person/day)	102.2
CSH CREDITS ACHIEVED		3
CSH MANDATORY LEVEL:		Level 3/4

17. K COMPLIANCE		
EXTERNAL WATER USE	(litres / person / day)	5.00
TOTAL WATER CONSUMPTION	(litres / person / day)	107.2
17. K COMPLIANCE?		Yes

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Job no:	MC1102		
Date:	25.06.21		
Assessor name:	N Theaker		
Registration no:			
Development name:	Acad Meadow Plot 5		
Rainwater	Greywater	Results	

WATER EFFICIENCY CALCULATOR FOR NEW DWELLINGS

(for use with the Code for Sustainable Homes issues Wat 1 for the May 2009 and subsequent versions)

Dwelling Description 2 Bed

1st step - Select from options below:

Is a Rain and/or Greywater specified?	No
BUILD SPREADSHEET present?	Yes
Has a washing machine been specified?	Yes
Has a dishwasher been specified?	Yes

2nd step - Build spreadsheet (click button below)

As soon as this button is pressed the spreadsheet will change according to the options selected previously in the 1st step. Scroll down to see the changes.

3rd step - Enter consumption details for the specified fittings

TAPS (excluding kitchen taps)		Fitting type	Flow rate (litres/min)	Number of fittings
	1	Vado	5.10	2
	2			
	3			
	4			
	Proportionate flow rate (litres/min)			3.57
	Consumption / person / day (Litres)			9.64

BATHS		Fitting type	Capacity to overflow (litres)	Number of fittings
	1	Kaldewei Eurowa	86.00	1
	2			
	3			
	4			
	Proportionate capacity to overflow (litres)			60.20
	Consumption / person / day (Litres)			9.46

SHOWERS		Fitting type	Flow rate (litres/min)	Number of fittings
	1	Vado	9.00	1
	2			
	3			
	4			
	Proportionate flow rate (litres/min)			6.30
Consumption / person / day (Litres)			39.33	

DISHWASHER		Fitting Type	Litres per place setting	Number of fittings
	1	Bosch	3.50	1
	2			
	3			
	4			
	Proportionate litres per place setting			2.45
Consumption / person / day (Litres)			12.60	

WASHING MACHINES		Fitting Type	Litres per kilogram of dry load	Number of fittings
	1	Bosch	7.00	1
	2			
	3			
	4			
	Where no washing machines have been specified but plumbing for future supply of grey/rainwater was installed, please enter details:			
Proportionate of litres/kg of dry load			4.90	
Consumption / person / day (Litres)			14.70	

WC's	Fitting Type	Flush Type	Volume**	Number of fittings
1	Vitra	Full Flush	6.00	2
		Part Flush	3.00	
2		Full Flush		
		Part Flush		
3		Full Flush		
		Part Flush		
4		Full Flush		
		Part Flush		
Average effective flushing volume (litres)			3.99	
Consumption / person / day (Litres)			17.64	

KITCHEN SINK TAPS		Fitting Type	Flow rate (litres/minute)	Number of fittings
	1	Hansgrohe	10.00	1
	2			
	3			
	4			
Proportionate flow rate (litres/min)				7.00
Consumption / person / day (Litres)				14.76

WASTE DISPOSAL UNIT	
Is a waste disposal unit specified for the dwelling?	Click to select
Consumption / person / day (Litres)	0.00

WATER SOFTENER	
Water Softener in use?	Click to select
Total capacity used per regeneration (%)	
Water consumed per regeneration (litres)	
Average number of regeneration cycles per day (No.)	
Number of occupants served by the system (No.)	
Water consumed beyond 4% person / day (Litres)	0.00

4th step - Analyse Results	Go to Start
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INTERNAL WATER CONSUMPTION		
NET INTERNAL WATER CONSUMPTION	(litres/person/day)	118.13
RAINWATER ONLY COLLECTION SAVING	(litres/person/day)	0.00
GREYWATER ONLY RECYCLING SAVING	(litres/person/day)	0.00
RAIN/GREYWATER COLLECTION SAVING (combined system)	(litres/person/day)	0.00
NORMALISATION FACTOR	(litres/person/day)	0.91
TOTAL WATER CONSUMPTION	(litres/person/day)	107.5
CSH CREDITS ACHIEVED		2
CSH MANDATORY LEVEL:		Level 1/2

17. K COMPLIANCE		
EXTERNAL WATER USE	(litres / person / day)	5.00
TOTAL WATER CONSUMPTION	(litres / person / day)	112.5
17. K COMPLIANCE?		Yes

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Job no:	MC1102
Date:	25.06.21
Assessor name:	N Theaker
Registration no:	
Development name:	Angel Meadows Plot 5
Rainwater Greywater Results	

WATER EFFICIENCY CALCULATOR FOR NEW DWELLINGS

(for use with the Code for Sustainable Homes issues Wat 1 for the May 2009 and subsequent versions)

Dwelling Description	3 Bed
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1st step - Select from options below:

Is a Rain and/or Greywater specified?	No
BUILD SPREADSHEET present?	Yes
Has a washing machine been specified?	Yes
Has a dishwasher been specified?	Yes

2nd step - Build spreadsheet (click button below)

As soon as this button is pressed the spreadsheet will change according to the options selected previously in the 1st step. Scroll down to see the changes.

3rd step - Enter consumption details for the specified fittings

TAPS (excluding kitchen taps)		Fitting type	Flow rate (litres/min)	Number of fittings
	1	Vado	5.10	2
	2			
	3			
	4			
	Proportionate flow rate (litres/min)			3.57

	Consumption / person / day (Litres)		9.64
BATHS			
	Fitting type	Capacity to overflow (litres)	Number of fittings
	1	Kaldewei Eurowa	86.00
	2		
	3		
	4		
	Proportionate capacity to overflow (litres)		60.20
	Consumption / person / day (Litres)		9.46

SHOWERS		Fitting type	Flow rate (litres/min)	Number of fittings
	1	Vado	9.00	1
	2			
	3			
	4			
	Proportionate flow rate (litres/min)			6.30
		Consumption / person / day (Litres)		39.33

DISHWASHER		Fitting Type	Litres per place setting	Number of fittings
	1	Bosch	3.50	1
	2			
	3			
	4			
	Proportionate litres per place setting			2.45
		Consumption / person / day (Litres)		12.60

WASHING MACHINES		Fitting Type	Litres per kilogram of dry load	Number of fittings
	1	Bosch	7.00	1
	2			
	3			
	4			
Where no washing machines have been specified but plumbing for future supply of grey/rainwater was installed, please enter details:				
		Proportionate of litres/kg of dry load		4.90
		Consumption / person / day (Litres)		14.70

WC's				
Fitting Type	Flush Type	Volume**	Number of fittings	
1	Vitra	Full Flush	6.00	2
		Part Flush	3.00	
		Full Flush		
		Part Flush		
		Full Flush		
		Part Flush		
		Full Flush		
		Part Flush		
		Full Flush		
		Part Flush		
		Average effective flushing volume (litres)		3.99
		Consumption / person / day (Litres)		17.64

KITCHEN SINK TAPS		Fitting Type	Flow rate (litres/minute)	Number of fittings
	1	Hansgrohe	10.00	1
	2			
	3			
	4			
		Proportionate flow rate (litres/min)		7.00
		Consumption / person / day (Litres)		14.76

WASTE DISPOSAL UNIT

Is a waste disposal unit specified for the dwelling?		No
		Consumption / person / day (Litres)
		0.00

WATER SOFTENER

Water Softener in use?		No
Total capacity used per regeneration (%)		
Water consumed per regeneration (litres)		
Average number of regeneration cycles per day (No.)		
Number of occupants served by the system (No.)		
		Water consumed beyond 4% person / day (Litres)
		0.00

4th step - Analyse Results

[Go to Start](#)

INTERNAL WATER CONSUMPTION

NET INTERNAL WATER CONSUMPTION	(litres/person/day)	118.13
RAINWATER ONLY COLLECTION SAVING	(litres/person/day)	0.00
GREYWATER ONLY RECYCLING SAVING	(litres/person/day)	0.00
RAIN/GREYWATER COLLECTION SAVING (combined system)	(litres/person/day)	0.00
NORMALISATION FACTOR	(litres/person/day)	0.91
TOTAL WATER CONSUMPTION	(litres/person/day)	107.5

CSH CREDITS ACHIEVED	2
CSH MANDATORY LEVEL:	Level 1/2

17. K COMPLIANCE		
EXTERNAL WATER USE	(litres / person / day)	5.00
TOTAL WATER CONSUMPTION	(litres / person / day)	112.5
17. K COMPLIANCE?		Yes

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