

# Part G Water Efficiency Report

Property Address: Flat 3, Bitterne Road West, Southampton, SO18 1BE  
 Job Number: 113590  
 Completed By: ER  
 Date: 09/04/2024



## Executive Summary

UK Building Compliance have been appointed to undertake Part G Water Efficiency Calculations in support of the proposed development at the aforementioned Site Address. Calculations have been completed in accordance with Building Regulations Approved Document Part G 2010 (Sanitation, Hot Water Safety and Water Efficiency).

The Water Efficiency Target is less than 125 litres/ per person/ per day.

## Water Efficiency Calculations

| Installation Type   | Unit of Measure | Quantity | Capacity/ Flow Rate | Use factor | Fixed Use | Total L/P/D   |
|---|-----------------|----------|---------------------|------------|-----------|---------------|
| WC (single flush)   | Flush (L)       | 0        | 0.00                | 4.42       | 0.00      | 0.00          |
| WC (dual flush)   | Full flush (L)  | 1        | 6.00                | 1.46       | 0.00      | 8.76          |
|   | Part flush (L)  |          | 3.00                | 2.96       | 0.00      | 8.88          |
| Taps (excl kitchen/utility)                               | Flow (L/minute) | 1        | 6.00                | 1.58       | 1.58      | 11.06         |
| Baths   | Capacity (L)    | 0        | 0.00                | 0.00       | 0.00      | 0.00          |
| Showers   | Flow (L/minute) | 1        | 12.00               | 4.37       | 0.00      | 52.44         |
| Kitchen/Utility Room Taps                                 | Flow (L/minute) | 1        | 5.00                | 0.44       | 10.36     | 12.56         |
| Washing Machine   | L/kg dry load   | 1        | 8.00                | 2.10       | 0.00      | 16.80         |
| Dishwasher  | L/place setting | 1        | 1.25                | 3.60       | 0.00      | 4.50          |
| Waste Disposal Unit                                       | L/use           | 0        | 0.00                | 3.08       | 0.00      | 0.00          |
| Water Softener  | L/P/D           | 0        | 0.00                | 1.00       | 0.00      | 0.00          |
| <b>Total calculated use (litres/person/day)</b>           |                 |          |                     |            |           | <b>115.00</b> |
| Contribution from Greywater (litres/person/day)           |                 |          |                     |            |           | 0.00          |
| Contribution from Rainwater (litres/person/day)           |                 |          |                     |            |           | 0.00          |
| Normalisation factor                                      |                 |          |                     |            |           | 0.91          |
| <b>Total water consumption</b>                            |                 |          |                     |            |           | <b>104.65</b> |
| External water use  |                 |          |                     |            |           | 5.00          |
| <b>Total Water Consumption (Building Regulation 17.K)</b> |                 |          |                     |            |           | <b>109.65</b> |

## Notes

No Greywater Harvesting is utilised at the aforementioned property.  
 No Rainwater Harvesting is utilised at the aforementioned property.

## Conclusion

Water Efficiency Calculations Demonstrate that the Total Water Consumption is lower than the Water Efficiency Target and therefore demonstrates compliance with regulations.

## Disclaimer

Calculations have been completed based on drawings/information issued to UK Building Compliance at the date of this report. No verification of this information has been conducted and the validity of this report is subject to approval by the appointed building control body.