

**ENERGY SURVEYS
17 Peachley Gardens
Lower Broadheath
WR2 6QS**

**Tel. 01885 488418
email. sales@energysurveysgb.co.uk**

**Mr. P. Rzonska
KPR Architects
Bedford Heights
Brickhill Drive
Bedford
MK41 7PH**

1st December 2025

Dear Peter,

Re: Approved Document G, Part G2, Water Efficiency in New Dwellings – 17K.

3 New dwellings, 37 Edwards Avenue, Ruislip.

Following our recent conversation please find enclosed a summary of wholesome water consumption for your new properties. The calculation has been made in accordance with the methodology set out in the document 'The Water Efficiency Calculator for New Dwellings'.

The calculations show that the wholesome water consumption will be less than 105 litres per person per day for the properties, a requirement of Part G. Evidence of the compliance of these measures may well be required by the Building Inspection body as part of their process, eg manufacturers' data sheets etc.

The figures (flushes, flow rates, capacities, usage etc) which have been used to form the basis of the calculation are taken from standard products widely available in the market. Consideration has been given to ensure good flow rates are available for showers, if fitted, as well as the kitchen taps. Depending on your specific requirements, these figures can be amended to give a more accurate result, ie a lower litreage capacity of the bath would allow better flow rates or usage for another installation type.

In making the calculation I have assumed that multiple fittings of the same type that have various flow rates or capacities (eg hot and cold taps with different flow rates) have been averaged out. No allowance has been made for a water softener or for the savings

made by grey or rainwater collection systems. External taps have an assumed usage factor of five litres per person per day as per Part G.

If required, a more in depth analysis can be made to ensure continued compliance if needed.

The methodology applies a normalisation factor that has been derived from looking at what consumption the calculator is indicating with typical UK fittings and comparing that with the typical UK water consumption of 150 litres per person per day (source Ofwat). The factor then adjusts the calculated use to bring the calculated consumption of fittings in line with typical UK consumption, thereby delivering a closer alignment between predicted average and actual average usage. The calculator cannot be used to calculate actual use due to the impact of user behaviour.

I trust that the assumptions that I have made at this stage of the calculation process are broadly in line with the likely potable water usage for the properties. If there are aspects that need to be reconsidered, please revert to me accordingly prior to the installation of fixtures and fittings which fall outside of the consumption figures, as there may be a risk that the installation may fail.

I look forward to hearing from you,

Yours sincerely

PETER LOVEDAY.