

Water Efficiency Calculations – Information Sheet

Legal Requirements

Since April 1st 2010, Part G of the Building Regulations requires that all new build dwellings have a Water Efficiency Calculation to demonstrate that the dwelling has been designed to achieve a water use target **of not more than 125 litres per person per day**.

Design Stage

- A **Water Efficiency Calculation** is undertaken early on in the design cycle by looking at your working drawings and using typical values for the flow rates and water usage of all plumbing fittings and appliances.
- If the water use target is more than 125 litres per person per day then we will consult with the Agent to decide on how we are going to achieve compliance.
- The calculation is then modified with any new data and a **Water Efficiency Report** created.

Building Stage

- When purchasing your plumbing fittings and appliances make sure that the flow rates and volumes etc. comply with what is specified in the Water Efficiency Report.
- Make sure that you keep all technical documents relating to the plumbing fittings and appliances in case Building Control require such proof.

Completion Stage

Most Building Control bodies will accept written confirmation that you have installed plumbing fittings as defined in the Water Efficiency Report. However should Building Control request documentary evidence then you need to be able to provide the following data.

- Wash Basin Taps/Kitchen Sink/Utility Taps – flow rates (litres/min)
- Baths – Capacity to overflow (litres)
- Showers – flow rates (litres/min)
- Dishwasher – water usage (litres/place setting)
- Washing Machines – water usage (litres/kg dry load)
- WC's – water usage (litres/flush)
- Water Softener – yes or no (need to have technical literature)
- Details of Greywater and Rainwater recycling (if being used)