

## WATER SUSTAINABILITY PLAN FOR NEW BUILD DWELLINGS – APPROVED DOCUMENT G

The builder must ensure that fittings are adequate to meet the potential daily usage stated under regulation 36(2)(a) or (b), to show that the dwelling can, where occupants use appliances and fittings in a normal manner, provide the necessary water efficiency levels to satisfy Building Regulations 36 and 37 and requirement G2. Approved Document G provides further guidance under section G2 and in Appendix A.

Upon completion of the building work for a new dwelling (a newly erected house or flat, or one that has been created by a material change of use- excluding a change of use in a building with at least one dwelling, where there has been created a greater or lesser number of dwellings than existed before the change) a notice must be given to the Building Control Body, before a Completion Certificate can be given, which specifies the potential water consumption of wholesome water per person per day, for which the water efficiency calculation results can be used.

The building regulations specify limits on water use for newly constructed homes and those formed by converting existing buildings. Water usage from WCs, wash basins, sinks, showers, baths, and white goods such as dishwashers and washing machines are all included in the requirement.

### English regulations

In England, the regulations require that the average water usage be no more than 125 litres per person per day unless the planning permission for the home has specified that this needs to be reduced to 110 litres per person per day. The planning permission will state whether this standard has been applied. It's important that the person submitting the building regulation application informs the local authority building control department of this planning requirement.

Estimated water usage needs to be calculated unless the water fittings used follow the guidance in tables 2.1 and 2.2 of [Approved Document G \(England\)](#).

**Table 2.1 Maximum fittings consumption**

Water fitting	Maximum consumption
WC	6/4 litres dual flush or 4.5 litres single flush
Shower	10 l/min
Bath	185 litres
Basin taps	6 l/min
Sink taps	8 l/min
Dishwasher	1.25 l/place setting
Washing machine	8.17 l/kilogram

*Table 2.1: Water fittings route for 125 litres per person per day standard.*

**Table 2.2 Maximum fittings consumption optional requirement level**

Water fitting	Maximum consumption
WC	4/2.6 litres dual flush
Shower	8 l/min
Bath	170 litres
Basin taps	5 l/min
Sink taps	6 l/min
Dishwasher	1.25 l/place setting
Washing machine	8.17 l/kilogram

*Table 2.2: Water fittings route for 110 litres per person per day standard.*

Where the water fittings to be used exceed the consumption stated in the tables or where a shower is not to be provided or where a waste disposal unit, water softener or water re-use is proposed the estimated water usage should be calculated using the method contained in Appendix A of Approved Document G.