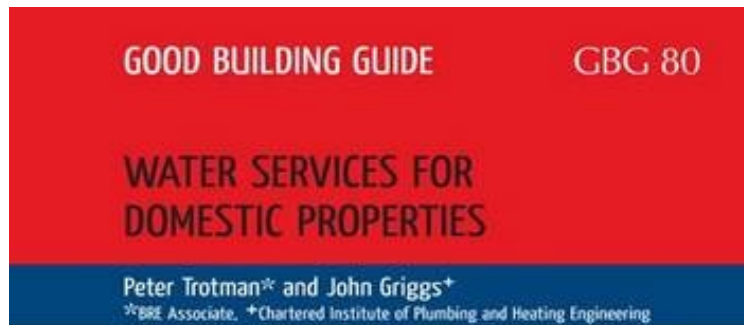


# Water Services for Domestic Properties (BRE Information Paper)

J. Griggs, P. Trotman

\*Download PDF | ePub | DOC | audiobook | ebooks



This Good Building Guide covers water requirements in a domestic property. Wholesome water for consumption is normally supplied from a water main. Rainwater can be collected for use in the garden or for car washing, although if filtered and stored, can be used for WC flushing and washing machines. Greywater, collected from the property, usually from the bath, needs more treatment but can then be available for flushing WCs and garden irrigation (Figure 1).

Both cold and hot water systems are described, together with pipe sizing, components and materials. Advice is also included on reducing noise that can be generated and transmitted by water systems.

The requirement in building regulations<sup>1</sup> is for any property to have 'wholesome water' (a filtered wholesome water whose drinking water is drawn off, at a washbasin in a bathroom or other location near a sanitary appliance and any sink whose food is prepared. Wholesome water must comply with requirements of Regulations made under the 'Water Industry Act').

There is an increasing requirement to reduce water use and three basic strategies can be used:

- minimise wholesome water use
- utilise rainwater
- utilise greywater

#### Minimising wholesome water use

From April 2010, all new homes in England and Wales need to comply with Approved Document (AD) G of the Building Regulations<sup>1</sup>, which limits total consumption to 125 litres per person per day.

Certain products can encourage economy by reducing the flow rate available. These include showers, small-size baths, water efficient washing and dishwashing machines, low-regulated taps, aerated taps and spray taps. There is



Figure 1. Basic greywater harvesting system. Water from baths, showers and laundry is to be reused for flushing WCs and watering the garden.

more information in Water efficiency in new homes – an introductory guide for housebuilders<sup>2</sup>.

#### Utilising rainwater

Rainwater is usually drained from roofs, although it can be collected from any suitable surface around a building. At its simplest, a water butt (Figure 2) can provide sufficient water for garden irrigation and car washing. For other uses, a filter can be fitted to the downpipe and the water



bre press



bre

DOWNLOAD



+

READ ONLINE

2010-12-16Binding: Pamphlet8 pages | File size: 74.Mb

J. Griggs, P. Trotman : Water Services for Domestic Properties (BRE Information Paper) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Water Services for Domestic Properties (BRE Information Paper):