

Rainwater Harvesting Systems



Choosing the most appropriate rainwater harvesting system for your new development can be a confusing task.

We can help you make the right choice.

Following a site appraisal we will ensure that your unique site variables, the requirements of your Local Authority and the Environmental Agencies are all taken into account to give you the most appropriate rainwater harvesting system for your site.

Treatment

Rainwater is typically filtered to remove leaves, moss and any sediment. This is normally sufficient treatment to allow the water to be stored and recycled.

Storage

Rainwater is typically stored in an underground tank as this helps keep the water cold which helps to prevent the water becoming discoloured and smelly. Above ground water butts get warm and so they are typically smaller so the water is used faster and they are normally only used in domestic developments for watering the garden.

Water is typically transferred by a small submersible pump, located inside the storage tank, to the point of use or into a header tank for subsequent distribution.

Requirements

All domestic houses *must* have a mains water supply to provide potable drinking water and as a backup to prevent the rainwater storage tank running dry.

All underground storage tanks *must* have an overflow so that excess rainwater can be discharged into a drain or watercourse.



Points of Use

Filtered rainwater that has been stored underground can be used for:

- Toilet and urinal flushing
- Washing of clothes
- Washing of cars and machinery
- Watering of lawns, gardens and amenity areas



Providing professional, independent, design services for your rainwater harvesting system.

- Domestic housing
- Commercial and industrial developments
- Leisure and tourism developments