



Rainwater Harvesting

for developers, housing associations and large scale house builders



Sustainability Checklist:

- ✓ WAT 1
- ✓ WAT 2
- ✓ SUR 1
- ✓ 10 zero carbon credits

Cost effective and sustainable solutions

The [RainRetain Developers system](#) has been specifically designed with large scale house builders, housing associations and developers in mind.

It offers a [cost effective](#) way to incorporate sustainable products into new developments,

particularly where minimum standards must be met under the [Code for Sustainable Homes and Building Regulations](#).

This system can also add up to [10 zero carbon credits](#), under categories 2 and 4, in the [Code for Sustainable Homes](#).



Up to
10 zero
carbon
credits

The Code for Sustainable Homes

There are nine categories which make up the code, two of which concern water:

Category 2 - Water (WAT 1 & WAT 2)

In this category, the code states the water consumption per person, per day and has mandatory requirements with time scales at each level for [Internal Use \(Wat 1\)](#):

A rainwater harvesting system can reduce the water consumption to 80 litres per person per day. The [RainRetain Developers system](#) also contributes under the [External Use \(Wat 2\)](#) category.

Category 4 - Surface Water Run-Off (SUR1)

RainRetain rainwater harvesting systems can contribute to the management of surface water

run-off from developments and enhance any Sustainable Urban Drainage System (SUDS) design.

[Which part of Building Regulations is concerned with water efficiency?](#)

Building Regulations Part G2

Part G comprises of 6 sections and section G2 covers water efficiency, which states that all new-build homes now need to meet a water efficiency standard.

[Which British Standard involves rainwater harvesting systems?](#)

All WPL rainwater harvesting systems are designed in accordance with [BS8515:2009](#)

A strong and robust design



Photos L-R: Stackable tanks, tanks are easy to install and easy to assemble (cross section of tank seal)

- Each tank holds 1,600 litres
- Simple and easy to install
- Small excavation area, concrete backfill not needed
- Easy to assemble, clip forms watertight seal
- Lightweight construction, made out of recycled polypropylene
- Stackable and shipped on pallets - easy to store on site
- Supplied in 2 halves, each half weighs 30kg
- WPL offers a 10 year guarantee on tanks (8 year on above ground option) and a 2 year guarantee on pumps

WPL developers system

- Multiple tanks can be linked in series for higher capacities
- Can be installed under driveways (consult WPL before proceeding)
- Shipped as a complete system:
 - tank(s)
 - external filter
 - valve and float switch
 - submersible pump
 - header tank with mechanical top up valve (gravity feed system only)
- Choice of direct or gravity feed system, to suit site requirements
- Tanks can be installed above ground
- Uses: toilet flushing, laundry, garden irrigation, car washing, general cleaning
- **Percolation Tunnels** complement the developers system as a soakaway, providing a complete sustainable solution

Ask for a free information leaflet from your distributor

HOME SYSTEM Direct and Gravity Feeds

NSPlus



The RainRetain Developers System is easy to install, robust, reliable and has a low visual impact on the surrounding environment. Installation is made even easier with WPL's excellent pre and post sales support. From helping to specify the right product for the right site to offering on-site installation support, a member of our technical team is always available.

• Direct Feed

Ideal for flats without loft spaces, or houses and developments that don't need a header tank.

The system operates at mains water pressure and automatically switches between mains and rain water as required.

• Gravity Feed

Ideal for housing associations and developments where there is space and need for a header tank.

No power is needed to operate the header tank and a mechanical mains top-up valve automatically switches to mains water if the rain water tank is running low.



WPL
Guarantee
TANK 10Yr
PUMP 2Yr



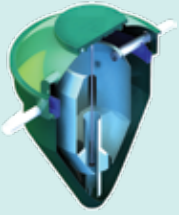
RainRetain Developers Domestic Home system Technical Information

Capacity	1,600 litre	3,200 litre*
Min Ø	1,090mm	*system comprises 2 underground tanks of equal size, can be used in series for larger systems
Max Ø	1,350mm	
Height	1,600mm	
Weight	60kg	
Material	polypropylene (UV stable & 100% recyclable)	
Connections	each 2 x DN70, DN100 and DN200 for standard pipe	
Groundwater	the tank can be safely installed in high water table areas, provided installation instructions are strictly followed	
Pedestrian and vehicle loading	<ul style="list-style-type: none"> for pedestrian loading with plastic cover for vehicle loading, refer to WPL. A reinforced concrete slab must be used, along with a cast iron manhole cover (not supplied by WPL) 	

Filter	Submersible pump	Header tank (Gravity Feed system only)
<ul style="list-style-type: none"> 10mm height offset between inlet and outlet variable installation depth (485-970mm) using telescopic dome shaft standard 100mm connections sieve insert mesh smooth surface, maximises self-cleaning 	<ul style="list-style-type: none"> single sealed unit intelligent controls energy saving motor quiet running dry running protection pressure control switch mesh filter valve and floatswitch 	<ul style="list-style-type: none"> no power supply required mechanical mains water top-up complies with water fitting regulations supplied with dual ball cock, tundish, lid and insulation jacket Dimensions (mm): 500w x 540h x 300d (including lid) 500w x 640h x 300d (including ball valve mechanism) 55 litre capacity

Other WPL Products

Wastewater Treatment



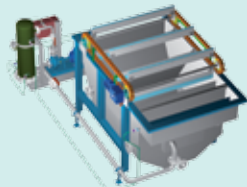
Diamond



HiPAF



Hire Fleet



Industrial Effluent Treatment

Rainwater Harvesting



RainRetain Developers



RainRetain Domestic



RainBrain



RainSustain Commercial

Other Products & Services



Grease Guzzler



Maintenance Contracts

Availability

We hold extensive stock for our full range of products and offer a rapid logistics service.

Installation and Maintenance

All our products are supplied with comprehensive installation manuals, including maintenance advice. Further advice is available by calling 023 9224 2600.



Call: **+44 (0)2392 242600**
 Fax: **+44 (0)23 9224 2624**
 Click: **enquiries@wpl.co.uk**
 Web: **www.wpl.co.uk**

WPL Limited
 Units 1 & 2 Aston Road
 Waterlooville
 Hampshire PO7 7UX
 United Kingdom

Where to buy WPL products

About WPL Limited

WPL Limited provides innovative and reliable wastewater treatment, rainwater harvesting and grease management systems for domestic, commercial and industrial markets as well as holding a prominent position as a supplier to the water companies. As an internationally recognised leader in the design, manufacture and supply of both standardised, and bespoke environmental solutions, WPL Limited is dedicated to ensure the provision of high quality products and services.

Environmental Policy

WPL Limited is ISO14001 accredited. WPL Limited rigorously fulfils its vision of protecting the environment by delivering reliable wastewater solutions. A strong focus on quality and compliance ensures that all wastewater treatment systems are designed to work within the guidelines of the British Water Code of Practice and exceed all present and proposed discharge consent standards enforced by the Environment Agency, SEPA and other regulatory authorities.

