

# Geberit Pluvia siphonic roof drainage system.

Stands up to every kind of rainfall



# Geberit Pluvia projects.

Proven application.

Westfield Shopping Centre, Stratford UK



Guangdong Science Centre, China



Hotel Splendid, Montenegro



Wimbledon, UK



Cape Town Stadium, South Africa



Tate Modern, UK

# What is Geberit Pluvia?

Geberit Pluvia is the leading siphonic roof drainage system used for over 30 years around the world in over 80,000 installations to drain 80 million sq metres through 300,000 outlets.

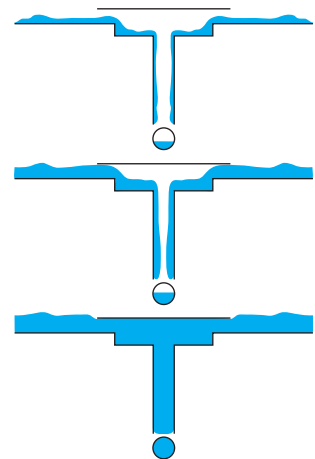
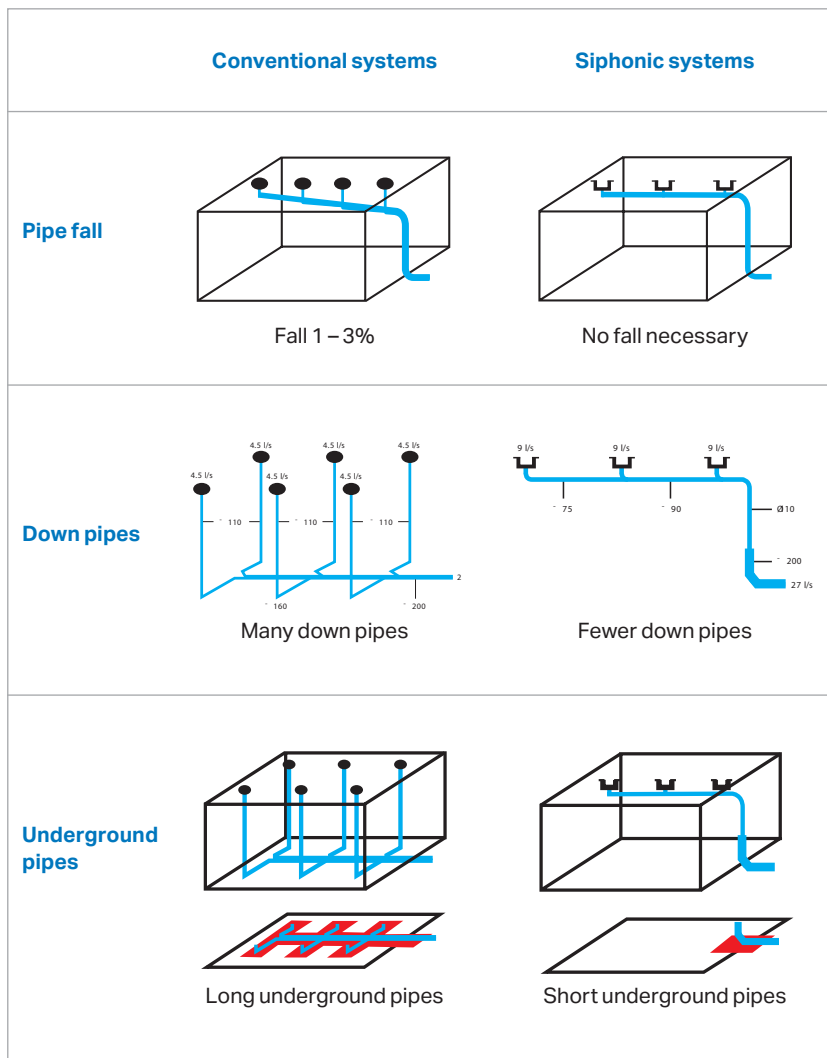
Architects, Consultants and Contractors have chosen the system for some of the most prestigious and ground breaking building designs due to the freedom and flexibility it provides. Pluvia uses the ingenious gravity induced vacuum principle to create a siphonic action, which allows the complete drainage of a roof area with smaller diameter pipes than used in a conventional gravity system. Geberit siphonic roof systems are widely used in the commercial and industrial sector for all roofs.

## Geberit Pluvia Advantages.

- Less underground drainage
- Less site work
- Fewer pipes and fittings
- Reduced pipe diameters
- Reduced material costs
- Less space required
- Self cleaning action
- Simple & speedy fastening system
- No slope in pipework required
- New architectural flexibility in building and use.

## Double the amount of rainwater at half the pipe diameter.

Unlike conventional roof drainage methods, the Geberit Pluvia roof drainage system functions as a siphonic system. The pipeline system fills up completely as rapidly as possible, thanks to the correct pipeline dimensioning and arrangement of the Geberit Pluvia roof outlets, thus generating a negative pressure in the pipeline. This negative pressure in the pipe rapidly withdraws the water by suction, instead of merely allowing it to drain away, and also ensures an improved self-cleaning function.



# Features and benefits of Geberit Pluvia.

## Effortless installation.

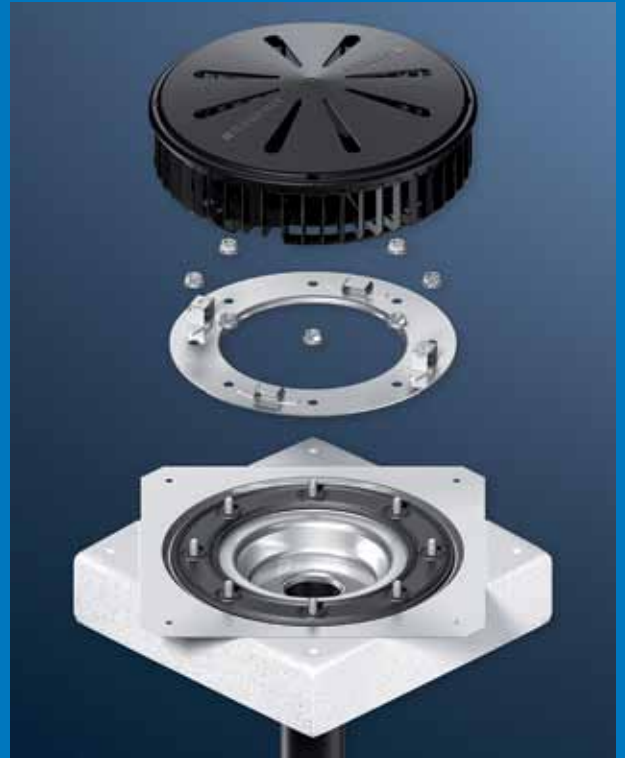
### Pipes and fittings.

The Geberit HDPE range of pipes and fittings is the ideal drainage system to meet the requirements of the Geberit Pluvia system. Due to its outstanding material characteristics Geberit HDPE is especially suitable for prefabrication and is available in a variety of diameters, 40mm – 315mm.



### Geberit Pluvia outlets.

The product range includes outlets to suit most roof designs and finishes, with a comprehensive range of contact foils and clamping ring outlets to suit the majority of roof membrane materials currently on the market. Due to the different discharge rates of the outlets (6l/s, 12l/s or 25l/s) an economical layout of the roof drainage system can be reached.



### Geberit PluviaFix rail fixing system.

The Geberit PluviaFix rail fixing system was developed for the installation of exposed, horizontal roof drainage piping. Key features include:

- Large spans between beams can be bridged
- Fewer brackets on roof structures
- Easy to install and can be pre-assembled due to the lightweight nature of HDPE and the simplicity of wedge fastenings

### Less planning effort, fewer discharge stacks and roof outlets.

Geberit have over 30 years experience installing Geberit Pluvia across a range of diverse and prestigious applications, demonstrating both high levels of performance and reliability. The Geberit Pluvia roof drainage system simplifies building planning and permits optimum space utilisation. Less need for discharge stacks results in fewer underground drainage and surface connections, reducing costs to the developer.

# Applications and planning for Geberit Pluvia.

## Time saving technology.

### Geberit ProPlanner software.

The Geberit ProPlanner Pluvia module supports planners in the design of optimum negative pressure drainage systems. Utilising Geberit's extensive experience in rainwater drainage, the Pluvia module automatically calculates the dimensions of the negative pressure system, the distribution of the roof outlets, the precise fastening points and the dimension export with all of the required components. This means that the planner receives an extremely reliable calculation of the roof drainage, which translates into planning security and the optimisation of costs for the entire system.

The calculation integrated in the Pluvia module always works in accordance with the principle of economic efficiency. The software also offers the planner the possibility of viewing the installation in an isometric presentation, which provides an opportunity for taking into consideration specific building characteristics.

Geberit's Approved Installers have received optimum training in the Geberit Pluvia system and also offer worldwide support for the planning and design of Geberit Pluvia installations. A full list of Geberit Approved Installers can be found at  
→ [www.geberit.co.uk](http://www.geberit.co.uk)

### Key features of the ProPlanner software.

The highly advanced software package easily allows the calculation of the most complex roof projects.

- Convenient and easy to operate
- Gives considerable time savings
- BBA approved
- Meets the BS 8490 Code of Practice for Siphonic Systems

### Provides:

- Isometric drawings
- Hydraulic calculations
- Material list including fixing components
- Cost calculation with ready to mail tender documents



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## Approvals. Quality assured.

The Geberit Pluvia system is fully approved by the BBA. This includes outlets, pipes and fittings, and the dedicated design software. All Geberit drainage systems are designed and manufactured in accordance with its BS EN ISO 9001:2000 quality accredited system. Geberit are also members of the Siphonic Roof Drainage Association demonstrating that we are committed to promoting a wider understanding of the principles of siphonic drainage, as well as good practice in the industry.

### Siphonic rainwater systems CPD.

RIBA approved CPD seminar is available. Topics covered include:

- **Understanding the principles of siphonic rainwater systems in relation to design criteria and installation**
- **Differentiating between gravity and siphonic rainwater disposal to enable selection of the appropriate system.**

CPDs can be given at our state-of-the-art Training Academy at our Head Office in Warwick with facilities including a fully functional workshop area and a unique two-storey hydraulic tower that demonstrates good and bad plumbing practice. There is no charge for our CPDs and refreshments are provided throughout the day. Alternatively if you are unable to come to us, we can deliver any of our CPDs at your own premises.

