

CONSERVE
WATER,
CONSERVE THE
ENVIRONMENT



BERA  WATERFIX

Rainwater Infiltration Module

BERA[®]

BERA Waterfix is a honeycomb structure, made of recycled Polypropylene, to create modular underground rainwater reservoirs to relieve the strain on existing surface water drainage systems.

What is Waterfix by BERA Ecosystems?

Waterfix is a modular lightweight, ready to use, cellular water storage block, using injection moulded recycled material, which is charged and discharged by a distribution network for optimized flow and a 95% void rate. Waterfix comes complete with a strong Geotextile. Waterfix is part of BERA Ecosystems and manufactured in Czech Republic. The modular system provides a versatile and sustainable drainage system preserving rainwater and reducing the risk of flooding of lawns, drives and landscapes.

Applications:

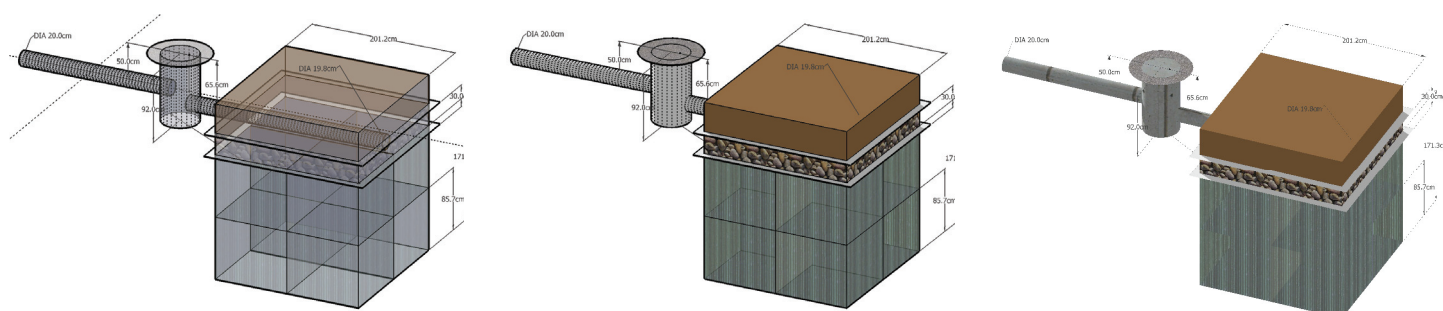
- ↳ Rainwater Infiltration
- ↳ Rainwater Buffering
- ↳ Rainwater Recycling

Features and benefits of Waterfix by BERA Ecosystems:

- ↳ Versatile modular system, honeycomb structure in 2 sizes
- ↳ Complete with geo-textile wrapping per module
- ↳ High compressive strength for location under roads and car parks
- ↳ Easy installation
- ↳ High void rate of 95%
- ↳ Simple pipe network construction reducing overall installation cost
- ↳ Highly resistant to chemical agents
- ↳ Reducing risk of flooding and providing a source of water during dry periods for lawn and landscapes.

RAINWATER ATTENUATION - an explanation

A typical rainwater attenuation system using Waterfix by BERA follows the steps as per below illustrations. The volume of the reservoir will be determined by local regulations, average rainfall and desired storage or infiltration. The modular system allows the configuration of the blocks to follow the requirements of the architect or the restrictions of the locations. Gravel or other suitable backfill material to be selected for maximum stability and durability to be placed around the distribution pipe.



Environmental and Engineering Excellence
 Waterfix is designed, manufactured and tested in Czech Republic for BERA under stringent Quality and Environmental Control standards, including ISO9001. The use of recycled raw materials, the selection of optimized wall thickness and well-developed distribution infrastructure to minimize our delivery carbon footprint, underline our corporate vision in providing environmentally sustainable solutions.

TECHNICAL SPECIFICATIONS¹⁾

GENERAL

Material honeycomb	: Recycled Polypropylene
Manufacturing technique	: Injection moulding
Manufacturing standards	: ISO9001
Colour	: Grey
Cell structure	: Honeycomb, 42 mm diameter
Material geo-textile	: Polyester
Weight geo-textile	: 68 g/m ²
Chemical resistance	: Good

PHYSICAL DATA

Model	: WF120	WF700	
Module dimension (mm)	L	766	1176
	W	392	766
	H	412	793
Average weight (kg/m ³)	: 7.5	41.5	
Storage volume (liter)	: 124	714	

APPLICATION ROADS & GREENS

Backfill minimum (m)	: 0.5	0.5
Backfill maximum (m)	: 1.5	1.5

Note:
 1. All data are subject to change without prior notice by the manufacturer