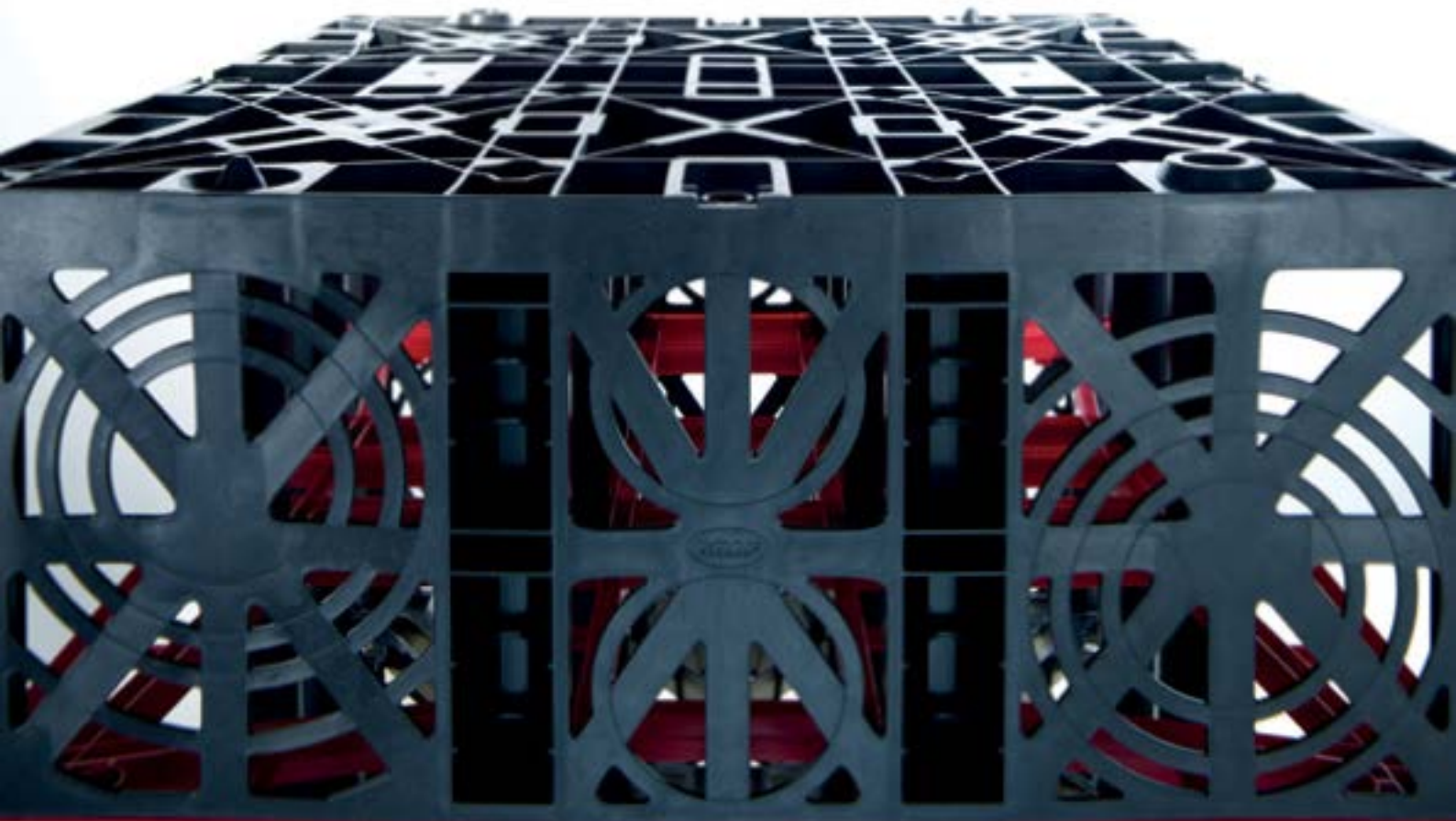




**RainWater Harvesting  
Limited**

# **GRAF EcoBloc Flex Stormwater Management**



# GRAF EcoBloc FLEX

The third generation of GRAF infiltration and attenuation system



## Twice the volume per truck

To save space during transport, two EcoBloc flex modules are stacked one inside the other. This halves transport costs and CO2 emissions.



## Easy to install

GRAF EcoBloc flex modules are easy to transport and install. The modular system structure requires few accessories.



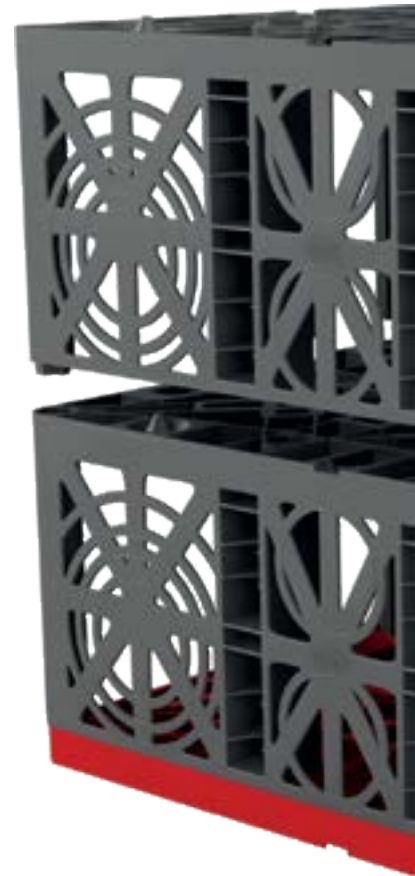
## Easy to inspect

The standard inspection channel allows the entire percolation system to be effectively monitored. The ability of the EcoBloc system allow access by inspection cameras that are commonly found on the market. This has been confirmed, by several independent testing.



## Can be cleaned by high pressure jetting

GRAF EcoBloc system can be easily cleaned by high pressure jetting.



# GRAF EcoBloc FLEX

The third generation of GRAF infiltration and attenuation system



## Highly flexible

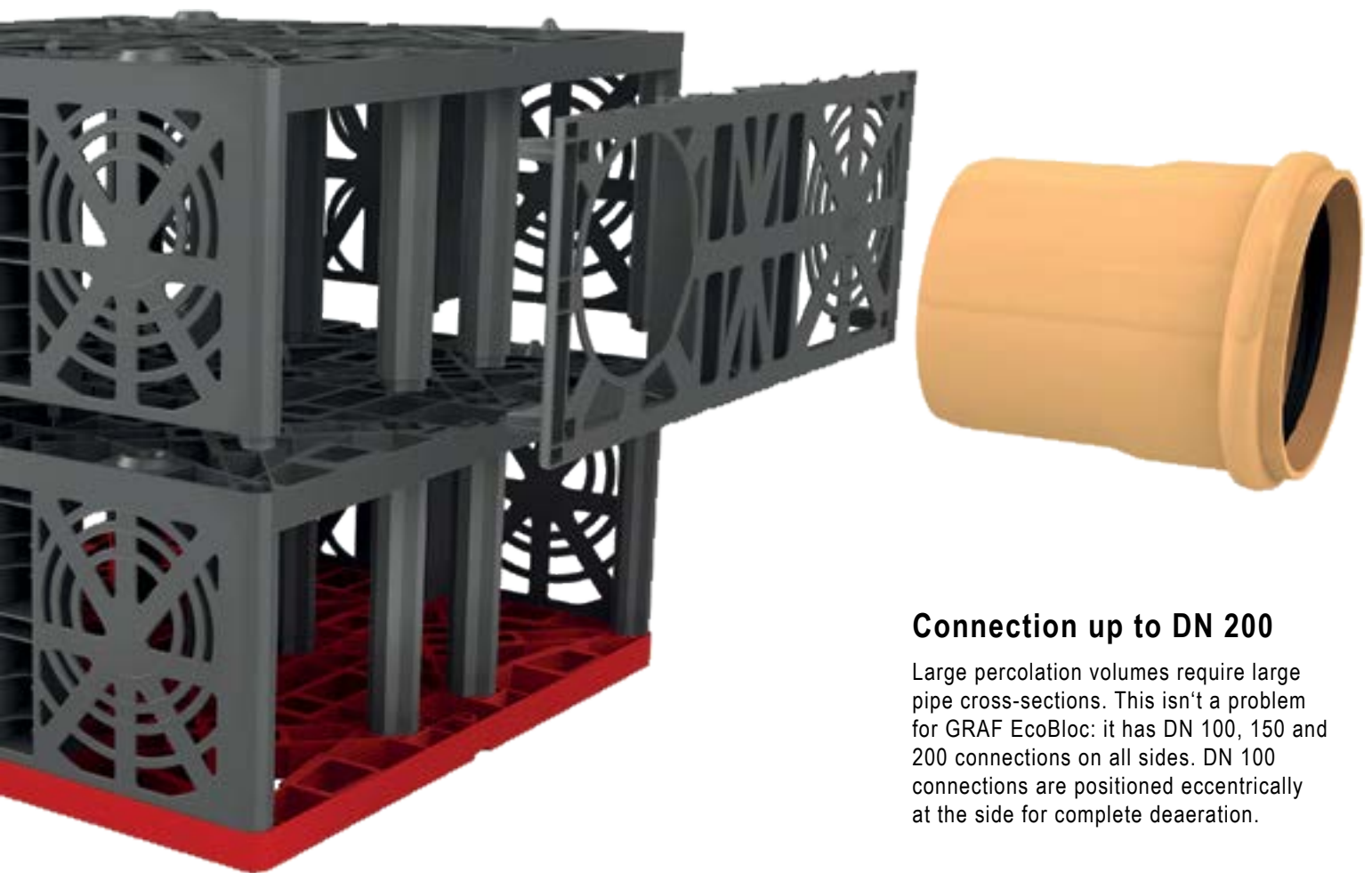
Each EcoBloc flex module has a volume of 205 l, a area of 800 x 800 mm and a height of 320 mm. The system size and loadbearing can be adjusted individually to suit requirements of traffic and of non-traffic area.

## Lorry-bearing

The GRAF EcoBloc has a heavy-duty lorry-bearing capacity of 60 tons with a 800 mm earth covering.

## Installation depth of up to 5 metres

Even under very heavy loads, GRAF EcoBloc system can be installed at a depth of up to 5 metres. This means that up to 14 layers are possible.



## Connection up to DN 200

Large percolation volumes require large pipe cross-sections. This isn't a problem for GRAF EcoBloc: it has DN 100, 150 and 200 connections on all sides. DN 100 connections are positioned eccentrically at the side for complete deaeration.

## Designed for decades of use

A durable product design ensures sustainability. Built to offer double safety, the GRAF EcoBloc is designed for a service life of over 50 years.

## Universal use

For rainwater infiltration, retention or rainwater harvesting

## High percolation rate

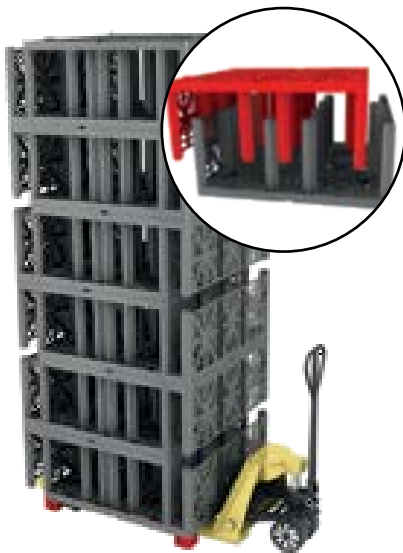
The GRAF EcoBloc system is designed to have high rate of percolation and barrier-free inspection.

# FLEXIBLE, STACKABLE, EASY ASSEMBLY

Benefits of the EcoBloc System



## 1. Stackable



To save space during transport, two EcoBloc flex modules are stacked one inside the other. This halves transport costs and CO2 emissions.

## 2. Easy assembly



The EcoBloc ground plate forms the foundations of the system. Up to 14 EcoBloc flex modules with a storage volume of 195 litres each can be fitted on one ground plate. The front ends are sealed with EcoBloc end plates.

## 3. Ready



The EcoBloc flex system can now be adjusted individually to suit the requirements and can be connected to DN 100, 150 or 200 pipes.

# BENEFITS AND APPLICATION



## High storage volume

GRAF percolation modules have three times the storage volume of a standard gravel infiltration ditch. One module therefore takes the place of around 1300kg of gravel or a 50m drainage pipe.

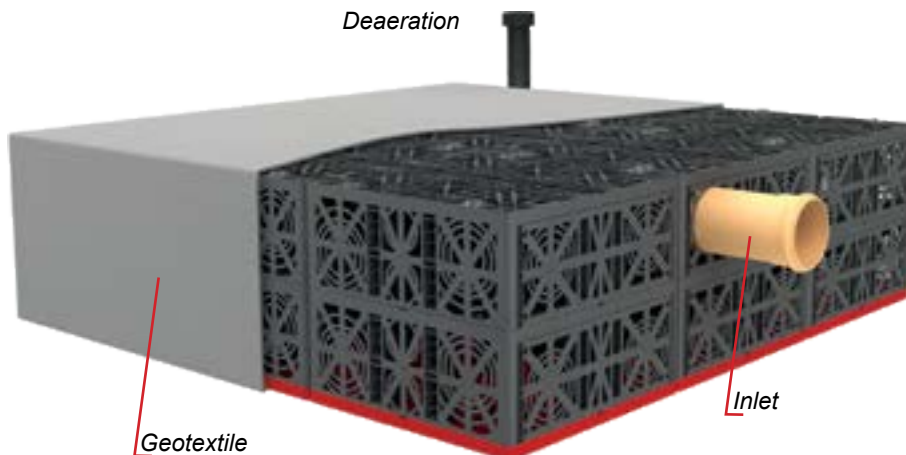
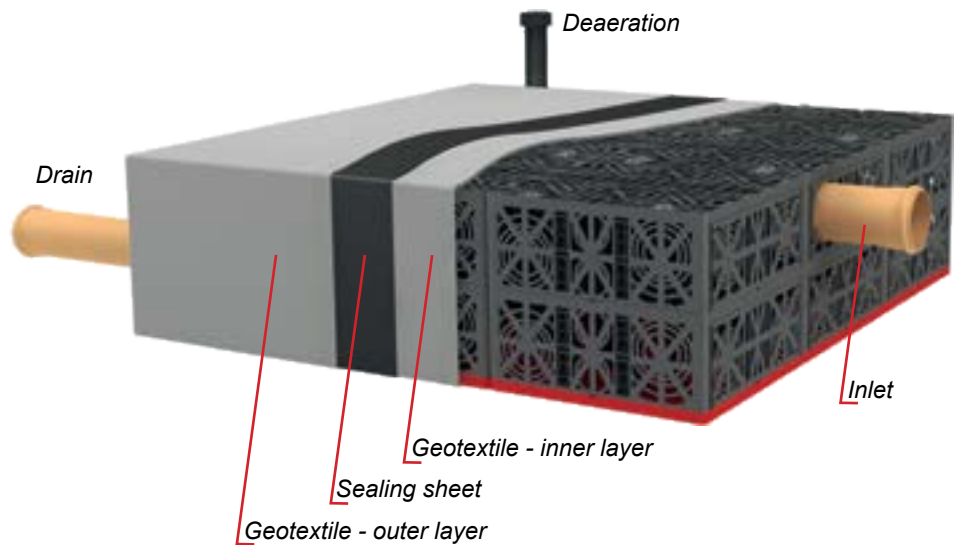
Since you don't have to excavate so much soil and enjoy great value for money compared with a standard gravel infiltration ditch, the GRAF modules save you hard-earned cash!

## Easy to install

The modules are fitted simply, at speed and in various ways. They can be installed without heavy machinery – one EcoBloc flex module weighs just 8 kg.

## Rain Retention

The controlled discharge of rainwater is increasingly important during heavy rain. The GRAF EcoBloc is also surrounded by a sealing sheet, which prevents water from escaping from the system unchecked. Restricted drainage allows the water to be discharged into the sewage system in a controlled manner.



## Rainwater percolation

Local percolation of rainwater is gaining in importance. As we cover over more and more ground with concrete, we are interrupting the natural water cycle. The GRAF EcoBloc combines environmental management of rainwater with the opportunity to protect against flooding. It stores rainwater and gradually releases it back into groundwater reserves.

# TECHNICAL DATA

## Load-bearing capacity and dimensions



### Installation window

EcoBloc Flex	Without traffic load	Vehicle	Lorry 12	Lorry 30	Lorry 40	Lorry 60
min. earth covering	250mm	250mm	500mm	500mm	500mm	800mm
max. earth covering	2750mm	2750mm	2750mm	2500mm	2250mm	2000mm
max. installation depth	5000mm	5000mm	5000mm	5000mm	5000mm	5000mm
max. number of layers	14	14	13	13	13	13

### Technical data for EcoBloc flex

Weight	8 kg
Gross volume	205 L
Net volume	195 L
Storage coefficient	96%

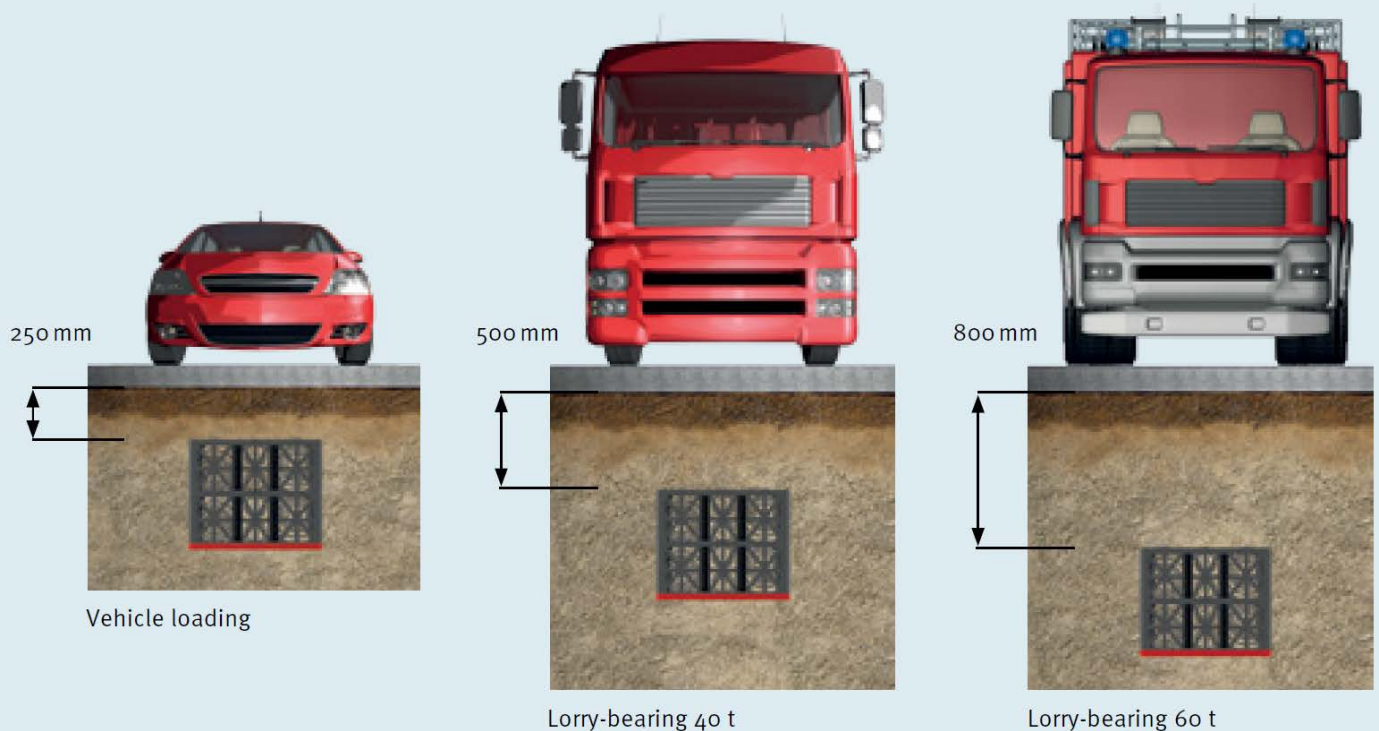
### Technical data for EcoBloc baseplate

Weight	4 kg
Gross volume	25 L
Net volume	20 L
Storage coefficient	95%

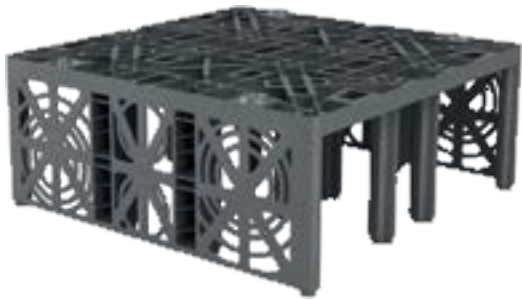
### Load capacity

Short-term	max. 10t/m <sup>2</sup>
Long-term	max. 5t/m <sup>2</sup>

An EcoBloc system can be installed without any special tools or unreasonable effort. The video „Percolating rainwater with GRAF EcoBloc“ on GRAF TV provides a rough overview of how an EcoBloc infiltration ditch system works and is installed.



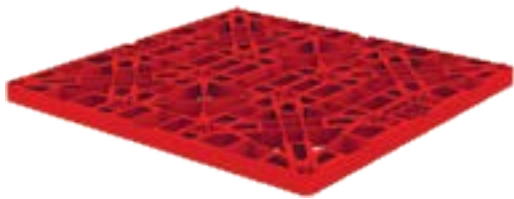
# THE SYSTEM AT A GLANCE



## GRAF EcoBloc flex

For large storage volumes DN 100/150/200 connecting faces

Volume (litres)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
205	800	800	320	8



## GRAF EcoBloc baseplate

Forms the foundation of the EcoBloc flex system

Volume (litres)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
25	800	800	44	25



## GRAF Eco end plates

The front ends of an EcoBloc flex system are sealed with end plates DN 100/150/200 contact surfaces

Side view



Front view



Baseplate



End plate



info@rainwaterharvesting.co.uk  
www.rainwaterharvesting.co.uk

RainWater Harvesting Ltd  
Unit A Harrier Park, Southgate Way  
Peterborough, Cambridgeshire, PE2 6YQ  
0800 074 7234  
+44(0)1733 405 111