



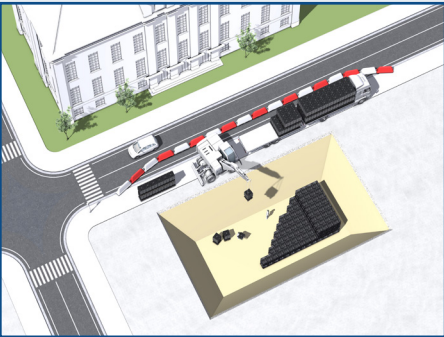
celebrating  
50 years

# EcoBloc Inspect smart

Product Specifications &  
Technical Data

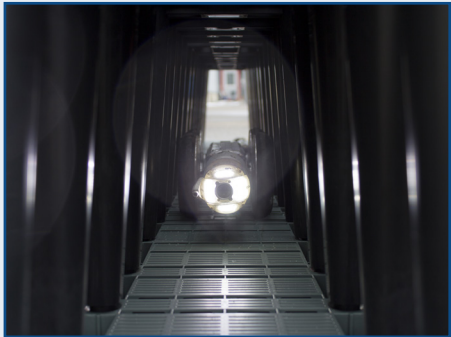
# GRAF EcoBloc Inspect smart Series

The next generation of GRAF infiltration/detention modules



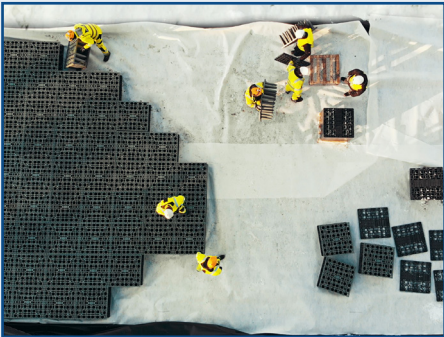
### Space saving

The patented design offers advantages throughout the logistics chain, allowing for a high volume of storage space in one shipping container. Especially where storage space on the construction site is limited, e.g. in urban areas for large construction sites, this results in considerable cost savings.



### Inspect & clean at high pressure

The inspection channel at the bottom of the tank allows for remote camera inspection and access for flushing and cleanout of any sediment buildup. Ease of inspection and cleanout has been confirmed through independent tests by the Institute for Underground Infrastructure (IKT).

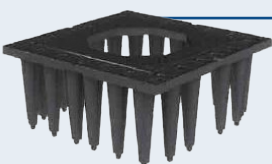
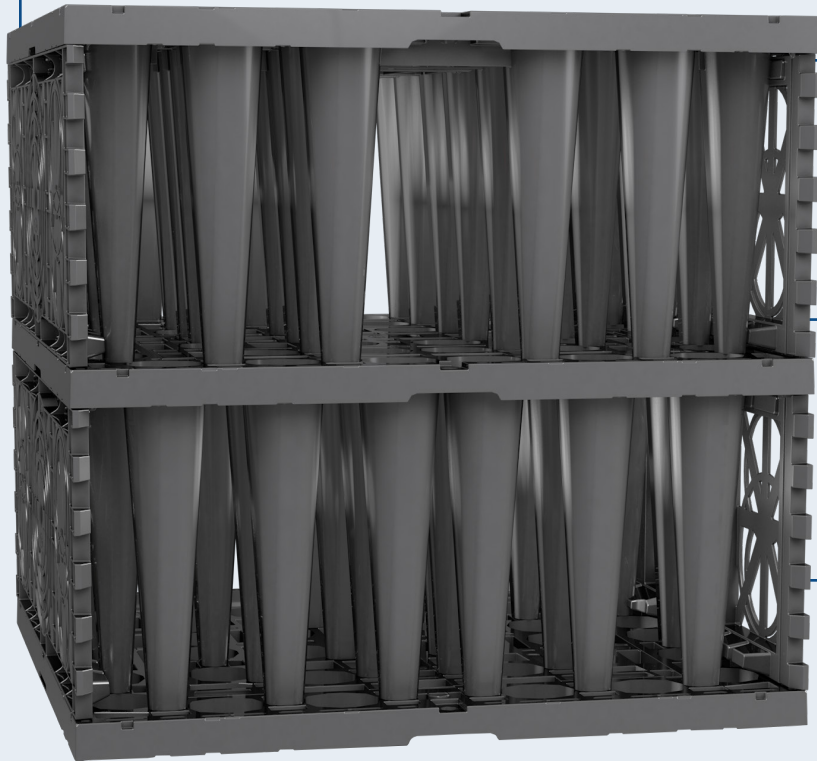


### Labour-saving

EcoBloc Inspect smart products are designed for simple and effortless installation. Each module weighs just 10 kg and its shape is easy to grip and carry. The straightforward "click"-together system enables faster assembly with less effort.

### Suitable for the highest vehicle and earth loading

The special pillar design provides optimal load distribution, making the EcoBloc Inspect smart suitable for HS-25 vehicle loading within a very generous installation window. In addition, special and high-load applications can be realized using the plus and ultra models.



### Shaft module available

The EcoBloc Inspect smart shaft module enables custom positioning of an inlet shaft or inspection shaft within the infiltration system.

### Connections up to DN 600

The end plates of the EcoBloc Inspect smart offer connections in sizes from DN 100 to max. DN 250. Larger connections can also be implemented easily using optional adapter plates.

### High infiltration performance

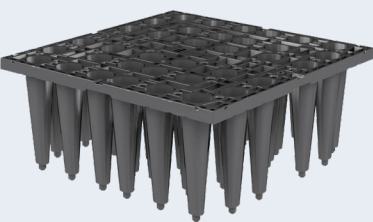
The storage modules are only closed with end plates on the outside. Inside, the open product design ensures consistently high infiltration performance and obstacle-free inspection.

### Built to last decades

Sustainability starts with a durable product design. EcoBloc Inspect smart products are designed for a service life of at least 50 years.

# The system at a glance

Components, measurements and accessories



### GRAF EcoBloc Inspect smart

- The standard module for implementing large storage volumes in a typical installation window.
- Suitable for HGV loading up to HS-25 as per AASHTO standards
  - 96% storage coefficients
  - Can be inspected
  - Can be cleaned at high pressure
  - Maximum installation depth of up to 5.0 m

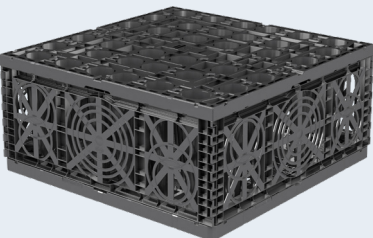
Volume [litres/gallons]	Length [mm/inch]	Width [mm/inch]	Height [mm/inch]	Weight [kg/lb]	Colour	Order No.
211 / 55.7	800 / 31.5	800 / 31.5	330 / 13	10 / 22	black	402500



### GRAF EcoBloc Inspect smart plus

- The reinforced module for implementing large storage volumes with shallow earth coverings or deep installation depths.
- Suitable for HGV loading up to HS-25 as per AASHTO standards and heavy load/emergency area
  - 95% storage coefficients
  - Can be inspected
  - Can be cleaned at high pressure
  - Maximum installation depth of up to 6.0 m

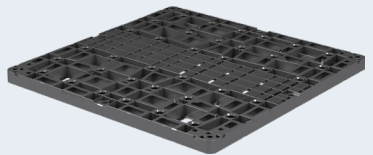
Volume [litres/gallons]	Length [mm/inch]	Width [mm/inch]	Height [mm/inch]	Weight [kg/lb]	Colour	Order No.
211 / 55.7	800 / 31.5	800 / 31.5	330 / 13	11.5 / 25.4	brown	402530



### GRAF EcoBloc Inspect smart ultra

- The high-performance module for storage volumes with very deep earth coverings or installation depths.
- High load areas over HS-25 loading or installation with deep earth covering
  - 95% storage coefficients
  - Can be inspected
  - Can be cleaned at high pressure
  - Maximum installation depth of up to 7.5 m

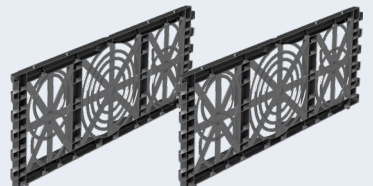
Volume [litres/gallons]	Length [mm/inch]	Width [mm/inch]	Height [mm/inch]	Weight [kg/lb]	Colour	Order No.
211 / 55.7	800 / 31.5	800 / 31.5	330 / 13	12 / 26.5	black	402560



### GRAF EcoBloc Inspect smart base plate

Base plate for constructing a system using the EcoBloc Inspect smart family.

Volume [litres/gallons]	Length [mm/inch]	Width [mm/inch]	Height [mm/inch]	Weight [kg/lb]	Colour	Order No.
24 / 6.3	800 / 31.5	800 / 31.5	40 / 1.6	4 / 8.8	black	402501



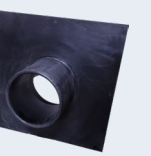
### GRAF EcoBloc Inspect smart sides

The sides of an EcoBloc Inspect smart system are closed using end plates. They provide additional DN 100/150/250 connections.

Item	Colour	Order No.
Ecobloc Inspect smart end plates (set 2 units)	black	402503



EcoBloc Connectors



Adapter plate

### Accessories: EcoBloc Connectors

For the horizontal connection of multiple EcoBloc modules/base plates to one another.

Item no. 402015	set 10 units
Item no. 402018	set 25 units
Item no. 402020	set 50 units
Item no. 402025	set 200 units

### Accessories: EcoBloc Pipe Adapter plates

Connection sizes larger than DN 250 can be implemented using the optional adapter plate.

EPA04	4" Dia.
EPA06	6" Dia.
EPA08	8" Dia.
EPA10	10" Dia.
EPA12	12" Dia.
EPA16	16" Dia.
EPA20	20" Dia.

# Installation Conditions

Accessibility and installation parameters



## Installation Conditions

EcoBloc Inspect smart, EcoBloc Inspect smart plus and EcoBloc Inspect smart ultra can be installed as standard in traffic areas up to a load of HS-25. Any loads in excess of this can be approved in consultation with BARR. These approvals can be directly supported by means of stability proofs of project-specific installation parameters. Higher loads are possible with EcoBloc Inspect smart plus or EcoBloc Inspect smart ultra.

## Backfill Materials and construction

Backfill materials and base course construction according to national guidelines may require special measures. The installation limits and the correct installation requirements can be determined and defined in the project together with our BARR team - please contact us.

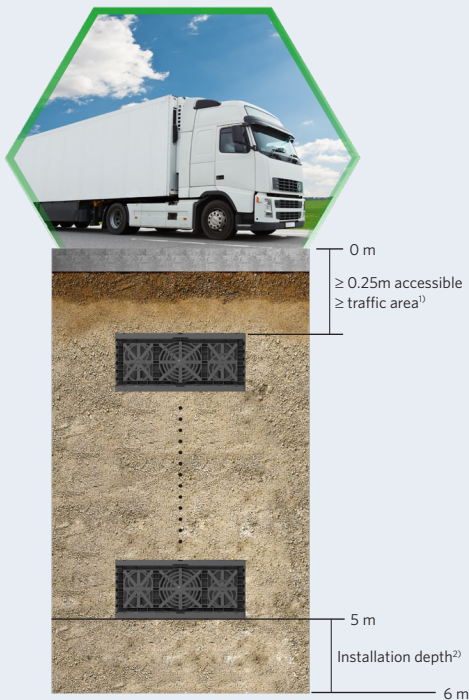
## 1) Earth Covering

The minimum earth covering in the traffic area up to HS-25 is governed by the verification procedure and national guidelines. BARR can provide you with more detailed information on this in the project planning or design phase.

## 2) Installation Depth

Installation depths below 5 m (EcoBloc Inspect smart) or 6 m (EcoBloc Inspect smart plus and EcoBloc Inspect smart ultra) are possible after approval by BARR in consideration of installation parameters. Talk to us in the planning phase.

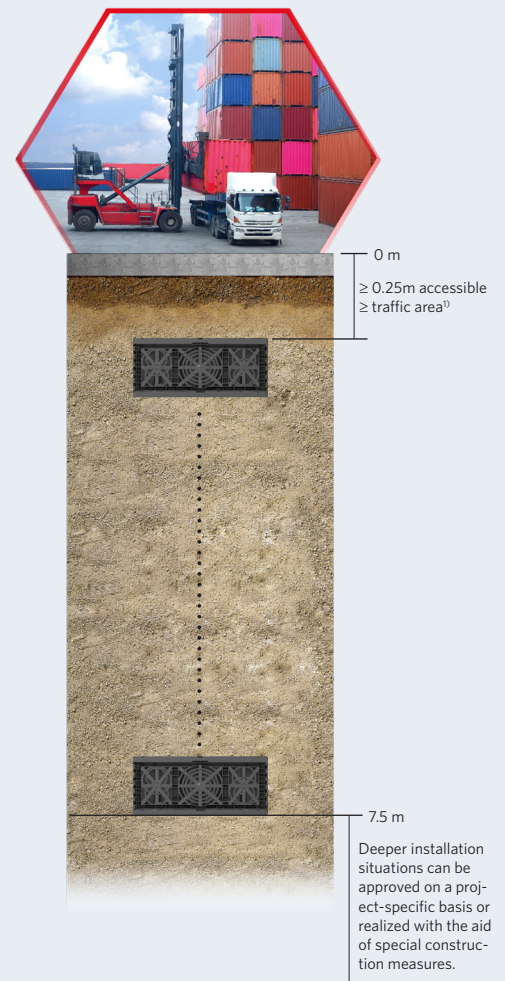
EcoBloc Inspect smart



EcoBloc Inspect smart plus



EcoBloc Inspect smart ultra



1.800.665.4499  
barrplastics.com