

ACO StormBrixx stormwater attenuation and infiltration range

ACO StormBrixx is a unique and patented plastic geocellular stormwater management system. Its versatile design allows the system to be used in applications across all construction environments as a standalone solution or as part of an integrated sustainable urban drainage (SuDS) scheme.

The patented brickbonding and cross bonding feature provides a strong, long term installation and also helps to improve the construction speed of the tank.

ACO StormBrixx simplifies delivery, site logistics and installation as a result of its stackable design. For each delivery of StormBrixx, up to 4 loads of competitor product may be required, making StormBrixx approximately 75% more efficient in delivery.

The range consists of StormBrixx SD (standard duty) and StormBrixx HD (heavy duty) stormwater management systems.

StormBrixx SD is suitable for use in a wide range of construction applications, with a high void ratio of 97%. It has a depth to invert of 4.5m and includes access plates for CCTV and jetting equipment.

StormBrixx HD- The heavy duty stormwater tank is designed for where installation depth and access requirements are of greater importance to the project. It has a depth to invert of 6.0m and is available with man access units for the more comprehensive access and maintenance requirements of SuDS Approval Boards (SABS) and water companies.

For both systems the open cell structure allows easy access for CCTV and jetting equipment from just a few access points.



StormBrixx SD



StormBrixx HD

KEY BENEFITS

- Allows **three dimensional unrestricted flow** of water
- **High void ratio** minimises excavation volume
- **Brick bonded** and **cross bonding** for optimum stability
- **Stackable 'nested' design** improves build efficiency through dramatically simplified delivery, on site storage and handling during installation
- **Fully certified performance**
- **Man access** and 3D inspection access to tank interior (HD)
- **Low flow, drain down** and **silt management** facility
- Manufactured from **recyclable polypropylene**
- **50/60 year design life**

STRUCTURAL INTEGRITY

The patented brickbonding and cross bonding feature enables strong, long term installation and improved construction speed of the tank.

SIMPLIFIED HANDLING AND LOGISTICS

Each single injection moulded body nestles optimising logistical and installation costs, thus helping to reduce carbon footprint of the system.

ACCESS AND MAINTENANCE

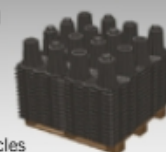
The whole system, including all the extremities can be inspected and maintained from just a few access points thanks to the open cell structure.



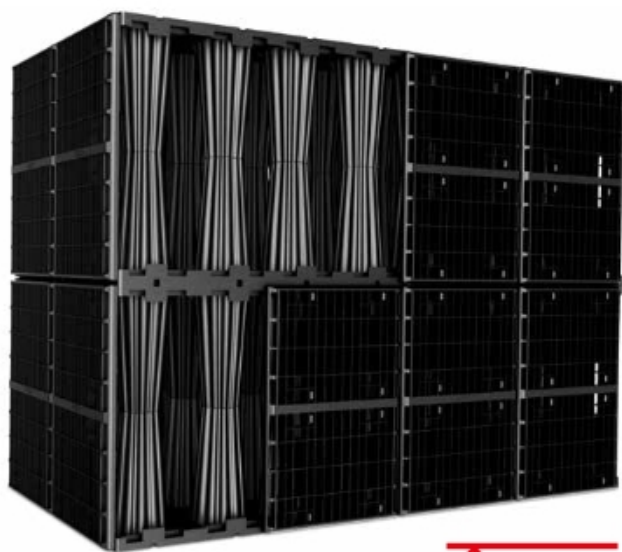
The stackable design reduces transportation costs and improves the carbon footprint of the product

Example:

280m³ storage volume is required for project A. Using ACO StormBrixx the project requirement can be transported on a single vehicle whereas up to four vehicles may be required for other comparable systems.



MAIN COMPONENTS



SD

Technical specification	
No. of assembled units per m ³	1.52
1 assembled unit = 2 half bodies (1.2 x 0.6 x 0.914)	
Gross storage volume (m ³)	0.658
Nett storage volume (m ³)	0.638
Void ratio	97%
Short term vertical compressive strength	350kN/m ²
Short term lateral compressive strength	70kN/m ²

Components overview - dimensions and weights

Product code	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
314090	Half Body	1200	600	494	9.41
314091	Side Panel	907	592	104	3.13
314092	Top Cover	550	550	45	0.76
314093	Connectors	53.4	44.2	26.5	0.1
314075	Remote access plate	650	650	120	4.74



HD

Technical specification	
No. of assembled units per m ³	2.28
1 assembled unit = 2 half bodies (1.2 x 0.6 x 0.61)	
Gross storage volume (m ³)	0.439
Nett storage volume (m ³)	0.417
Void ratio	95%
Short term vertical compressive strength	455kN/m ²
Short term lateral compressive strength	95kN/m ²

Components overview - dimensions and weights

Product code	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
314020	Half Body	1200	600	305	10
314021	Side Panel	580	580	35	1.6
314022	Top Cover	550	550	43	0.8
314023	Connectors	100	40	46	0.1



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