

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.

ACO StormBrixx addresses the fundamental requirement of access and maintenance for SuDS Approval Boards (SABS) and water companies. The open cell structure permits completely free access for CCTV and jetting equipment which allows the whole system, including all the extremities, to be inspected and maintained from just a few access points.

The range consists of ACO StormBrixx HD (Heavy-duty) which has a depth to invert of up to 6.0m and includes man access and 3D inspection access units, plus the new ACO StormBrixx SD (Standard-duty) which has a depth to invert of up to 4.5m and includes access plates to allow easy access for CCTV and jetting equipment.



StormBrixx HD



StormBrixx SD

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.



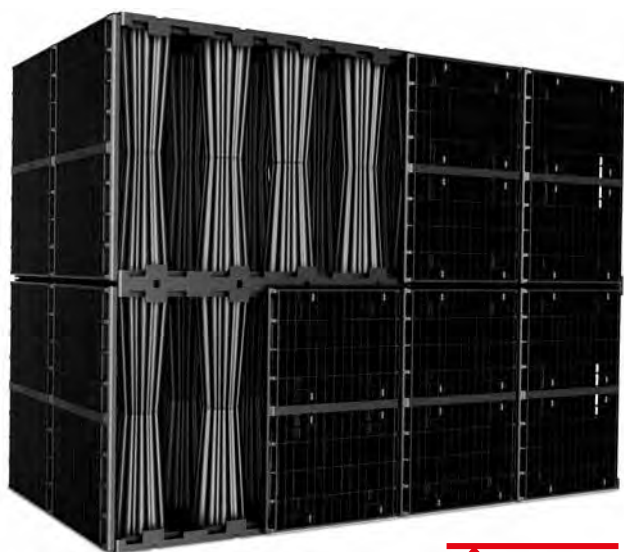
The stackable design reduces transportation costs and improves the carbon footprint of the product

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



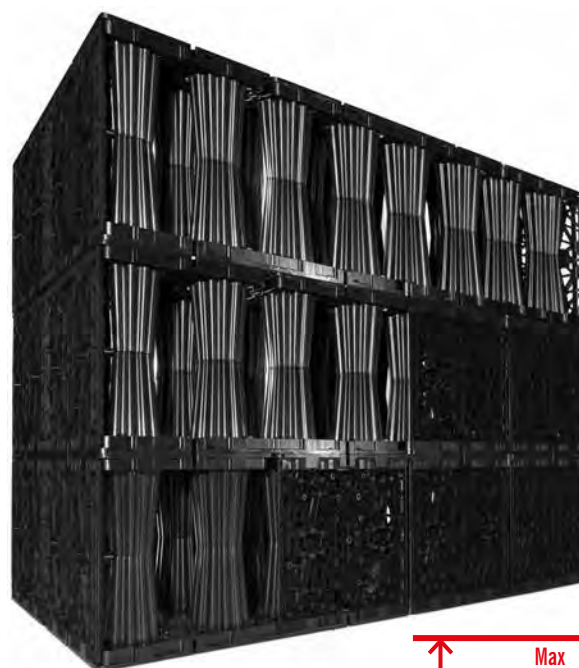
4.5m
Max
depth
to
invert

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



6.0m
Max
depth
to
invert

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)
314061	Half Body	1200	600	305	10
314062	Side Panel	600	600	55	1.6
314022	Top Cover	548	548	43	0.8
314023	Connectors	100	40	46	0.1



ACO Ltd

Unit F/6 Percivall Gull Place, Mangere, Auckland 2022
 Tel: +64 9815 9500 Fax: +64 9255 5114
 Email: sales@aconz.co.nz Website: www.aconz.co.nz