

## Aquality Storage Block (SD)

(Item No. G71100)

A unique and patented plastic geocellular stormwater management system.



### Typical applications:

Stormwater storage tanks rainwater harvesting tanks suitable for use in:

- Landscaped areas. No vehicles
- Landscaped areas with sit on mowers
- Pedestrian areas
- Driveways, car park up to 9000 kg rigid vehicles
- For applications with HGV's and or high ground water please contact Aquality

### Features:


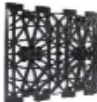



- Can be assembled in a variety of different tank configurations to satisfy installation and site requirements
- Silt management and control achievable through tank configuration layout
- Bonded stacking for optimum stability
- Low flow, draindown and silt management facility
- Environmentally efficient solution, minimising carbon emissions in manufacture, transportation and on-site assembly
- High void ratio minimizes excavation volume
- Fully certified performance
- Manufactured from recycled and recyclable polypropylene
- Suitable for all industrial, commercial and residential applications including access roads.
- Clip-in 3 way connector and the cross bonding feature permits off site construction of the system
- Top covers support infill material

### Benefits:

- The patented brickbonding and crossbonding feature delivers a strong and robust tank installation
- The open cell structure provides simple access for remote CCTV and maintenance equipment to inspect all levels and areas of the system
- The stackable design reduces transportation costs and improves the carbon footprint of the product. 347 m<sup>3</sup> capacity per truck delivery
- The system has a unique 'draindown' facility – a simple access and clean feature of the tank (Attenuation only)
- Access chamber provides access for cleaning, large pipe diameter inlets and silt management
- Delivery, site logistics and installation are all dramatically simplified, as a result of the system's 'stackable' design
- A clip-in 3 way connector improves the structural integrity of multi-layered tank structures and where brickbonding is not used
- Inspection point for camera or jetting equipment
- Clear column 'pathways' simplify cleaning
- Smooth surfaces prevent silt build-up

**Technical data:**

	Aquality Storage Block SD
No of assembled unit per m <sup>3</sup> 1 assembled unit=2 half bodies (1.2x0.6x0.914)	1.52
Gross storage volume (m <sup>3</sup> )	0.658
Net storage volume (m <sup>3</sup> )	0.638
Void ratio	97%
Short term vertical compressive strength	350 kN/m <sup>2</sup>
Short term lateral compressive strength	70 kN/m <sup>2</sup>

	Description	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
	Half Body	1200	600	494	9.41
	Side panel	907	592	104	3.13
	Top Cover	550	550	45	0.76
	Connector	53.4	44.2	26.5	0.1
	Remote access plate	650	650	120	4.74

**Specification clause:**

The geocellular stormwater storage / rainwater harvesting tank shall be HD storage block by Aquality Trading & Consulting Ltd. The system shall have been tested in accordance with CIRIA C680 / C737 guidelines. The water storage block shall be 1.20m (L) x 0.600m (W) x 0.914m (H). Ultimate vertical strength should be 350 kN/m<sup>2</sup> and ultimate lateral strength 70 kN/m<sup>2</sup> with a storage void of 97%. The units shall allow for free access for CCTV / jetting equipment (delete as applicable).

**NBS Specification:**

The water storage block should be specified in NBS section R12: Below ground drainage systems. Assistance in completing this clause can be found in the Aquality Trading and Consulting Ltd entry in NBS Plus or a model specification can be downloaded from [www.aqua-lity.co.uk](http://www.aqua-lity.co.uk). For further assistance, please contact the Aquality Engineering Team.