

**ACO StormBrixx**

As land becomes increasingly developed the natural hydrologic cycle is dramatically impacted:

- Less infiltration recharging ground waters
- Increased runoff volume and velocity
- Increased hydraulic load on sewer systems

State and Federal laws (Clean Water Act, MS4s, BMPs, NPDES) exist to control stormwater quality. The common theme being to retain stormwater on site and replicate the natural hydrological cycle.

ACO StormBrixx can be used to replicate several phases of the hydrological cycle.

- Retain water onsite, and allow infiltration to recharge groundwater
- Enable discharge into receiving waters at a slower, natural rate preventing erosion and avoiding increased river flow velocity
- Discharge water has time to cool to ambient ground temperature to prevent warming of the receiving waters
- Pollutants, debris and sediment can be removed and/or treated

In addition water can be harvested for reuse for non-potable uses decreasing the load on potable water supplies. All of these steps support Low Impact Development (LID) and LEED initiatives.

**System Chain**

ACO is a global leader in water management, with products to collect, clean, hold and release water; addressing all phases of the water cycle and supporting sustainable drainage and LEED principles.

ACO Drain focuses on products that address the collection phase.

**Service Chain**

To support this extensive product range ACO provides full support from before design conception to product after care.

Services include product training and continuing education seminars, continuous product innovation, full in-house design layout service, field support and post-installation advice and support.



**ACO StormBrixx Main Components**

StormBrixx has a range of key features:

- **Time & cost savings** -freight savings over traditional chamber systems and takes less than half the time to assemble on site compared to other modular systems
- **Flexible tank configurations** to satisfy installation and site requirements
- **Patented brick bonding and cross bonding** feature delivers a strong and robust tank installation with maximum shear resistance
- **Silt management and control** achievable through tank configuration layout
- **Open cell structure** provides simple access for remote CCTV and maintenance equipment to inspect **ALL** levels and areas of the system
- **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
- **3-way connector** improves the structural integrity of multilayered tank structures and where brick bonding is not used
- **Inspection point** for camera or jetting equipment



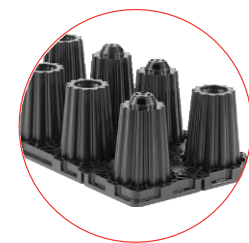
Recycled polypropylene top covers are added to the top layer of the system to ensure consistent vertical support for the cover fill material.



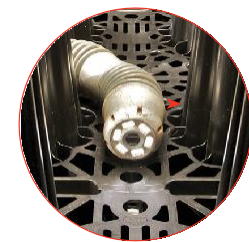
Clip-in connectors are available to aid alignment and installation of single and double layer StormBrixx configurations. Improves structural integrity and shear resistance.



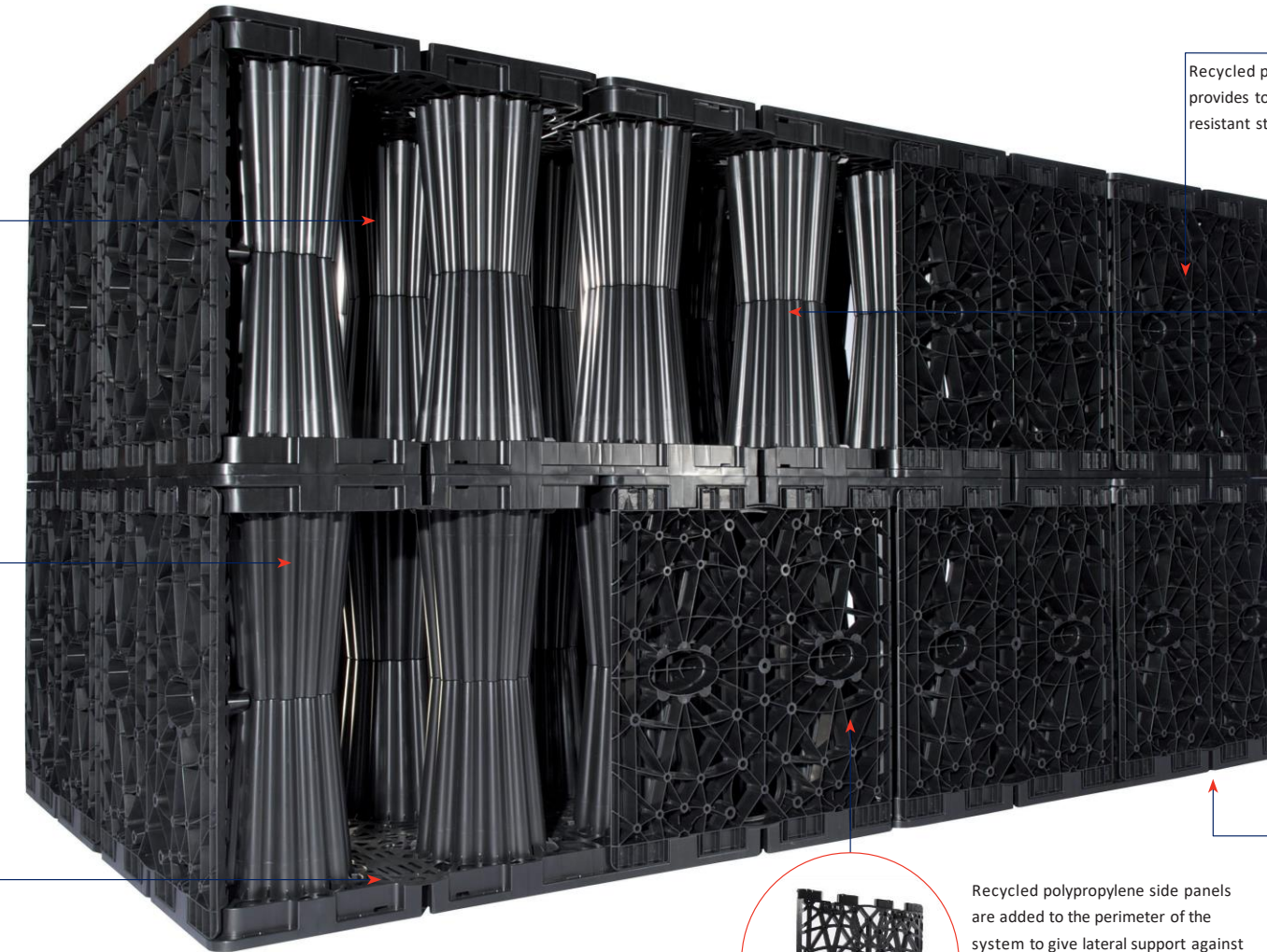
High void ratio – 95%



High strength ribbed columns maximize creep performance. Stackable, lightweight, nesting design for easy handling and fast installation



Access groove provides a clear path for inspection cameras or jetting equipment to all corners and layers of a tank



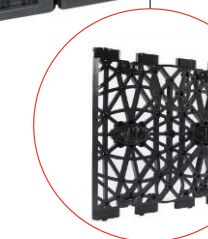
Recycled polypropylene construction provides tough, highly corrosion resistant structure



Two injection molded bodies clip together to form one single tank unit



Recycled polypropylene side panels are added to the perimeter of the system to give lateral support against surrounding soils and create debris and silt traps



Units can be cut in half to accommodate different tank configurations



[www.creaproyectos.mx](http://www.creaproyectos.mx)  
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ACO STORMBRIXX

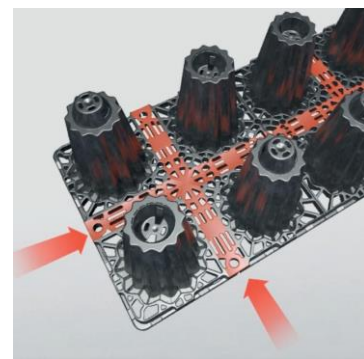
ACO StormBrixx consists of a single polypropylene body and can be assembled in a variety of ways to form an open bonded structure. The unique pillar configuration gives a high void ratio of 95%. This minimizes the excavation required to achieve a specified water storage capacity, reduces aggregate needed for backfilling, and improves flow characteristics of runoff through the tank.



StormBrixx benefits from a patented cell brick and cross bonding feature which provides unparalleled stability in the construction of the tank.



**bcia**  
 british construction industry awards 12  
 25TH ANNIVERSARY  
 WINNER  
 ACO StormBrixx has been awarded the UK BCIA Product Innovation Award 2012.

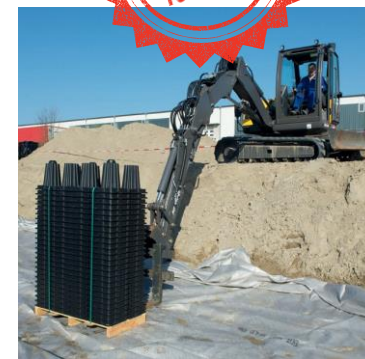


**Structural Integrity**

- Independently tested to certify structural integrity -greater creep performance
- Patented brick-bonding and cross bonding feature provide greater shear resistance than similar products
- Connectors hold units together both vertically and horizontally
- Suitable for both HS20 and HS25 applications

**Access and maintenance**

- Open cell structure allows TOTAL access to all corners and all levels for CCTV and jetting equipment
- Fewer access points required for access to entire system
- Simpler maintenance



**Simplified handling and logistics**

- Stackable design simplifies delivery, site logistics and installation.
- Optimizing logistics -fewer trucks
- Reduced space required on site
- 2-piece cell -fewer parts and quicker assembly -seconds vs. 2 minutes per cell for similar units
- Reduced CO<sub>2</sub> footprint and significant cost savings



**CREA PROYECTOS**  
 Fluye en la dirección correcta

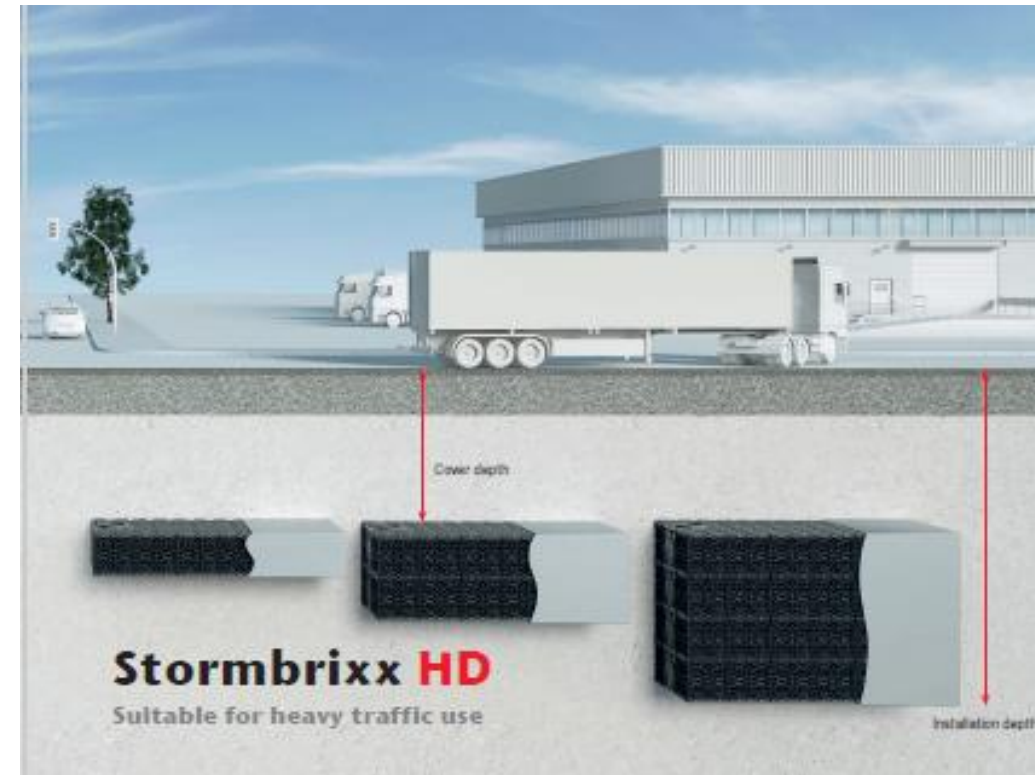
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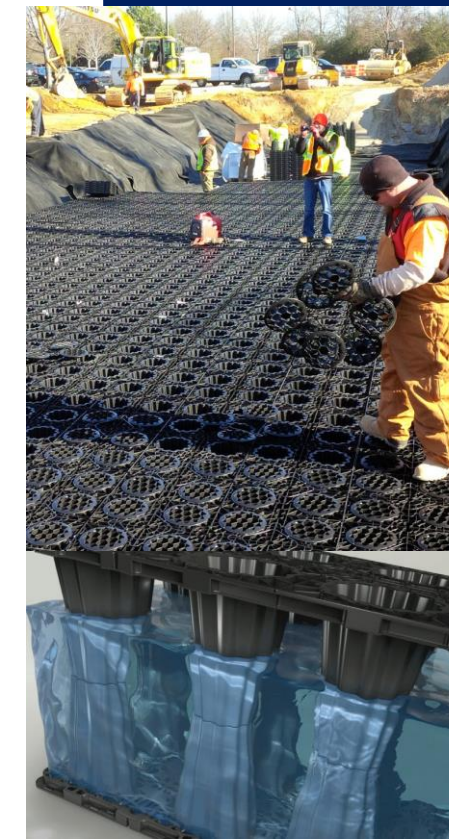
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Other ACO systems



- ACO DRAIN**  
The world's leading modular trench drain system for commercial, industrial and landscape applications.
- ACO INFRASTRUCTURE**  
Surface drainage products engineered for the unique design and performance demands of highways, urban roads and bridges.
- AQUADUCT**  
Custom designs and manufactures fiberglass trench drain systems to meet individual project requirements.
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Oil water separator and spill containment systems.
- ACO WILDLIFE**  
Tunnel and fence system designed to guide amphibians and other small creatures safely across roads.
- ACO SELF**  
Simple plastic and polymer concrete trench units for use around the home, garden and office.
- QUARTZ ACO SHOWERDRAIN**  
Stainless steel shower drains and accessories for tiled showers.

Geocellular Stormwater Management System



ACO STORMBRIXX  
 Product Overview  
 Stormwater Infiltration/Detention

