



ACO StormBrixx®

Geocellular Stormwater Storage Products for
Detention, Retention, Reuse, & Infiltration Systems

- StormBrixx® 300
- StormBrixx® 600
- StormBrixx® 900



The ACO Group

Founded in 1946, the ACO Group is a world leader in drainage technology. Climate change presents a challenge, requiring us to respond effectively with innovative solutions to new environmental conditions. With its integrated approach, ACO provides systems for professional surface water drainage, efficient cleaning, and the controlled discharge or reuse of water.

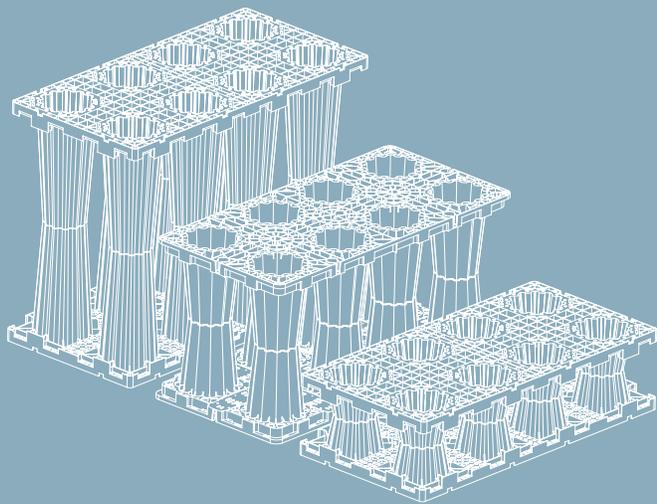
Products include:

- surface water drainage
- oil, sediment, heavy metal, and grease separators
- detention, retention, and infiltration systems
- flow control release products

Major innovative strengths of the ACO Group are its continuous research & development and technical expertise in the processing of polymer concrete, plastics, cast iron, stainless steel and cement concretes.

ACO in the USA

ACO, Inc. was founded in Ohio in 1978. Since then, ACO has continuously grown in the USA, expanding and building manufacturing facilities in Mentor, OH, and Casa Grande, AZ. The company has further locations in Phoenix, AZ, and Fort Mill, SC. Today, ACO USA has sales personnel across the country and an extensive distribution network throughout North America, Central America, and the Caribbean.



ACO. we care for water



ACO StormBrixx®

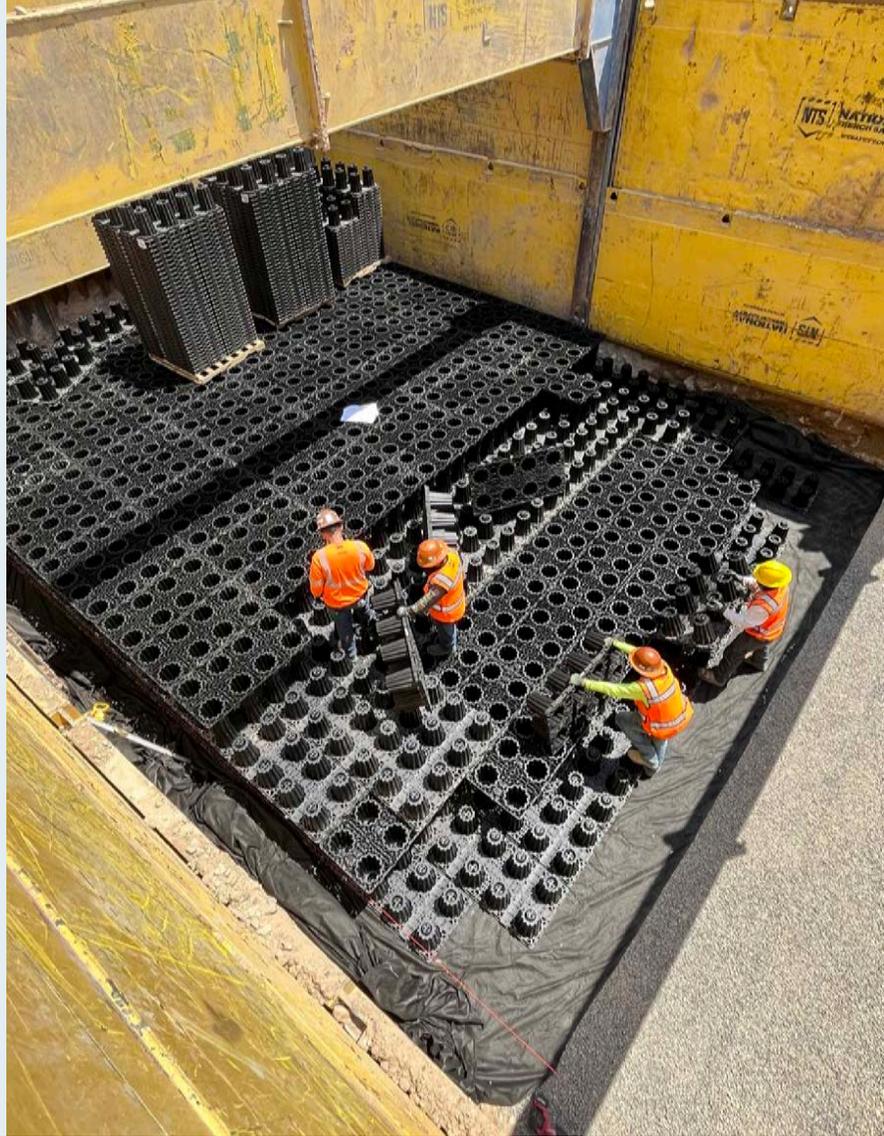
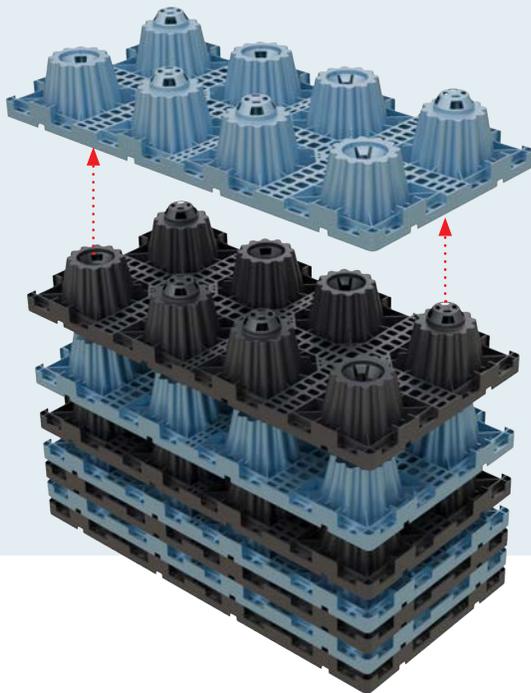
ACO StormBrixx is a geocellular stormwater management system with an innovative interlocking pillar design.

These high-storage capacity systems reduce excavation and backfill requirements while maximizing water storage efficiency. The unique pillar configuration and brick-bonding pattern ensure unparalleled stability and ease of maintenance access.



Versatile and Sustainable

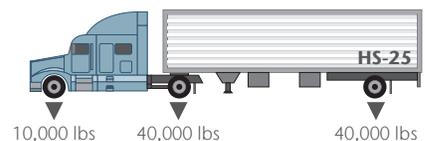
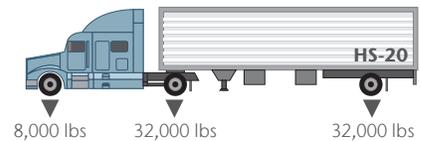
The lightweight, stackable components of ACO StormBrixx offer a variety of assembly options to form an open, bonded structure. Each polypropylene component is designed for quick and simple installation, significantly reducing project timelines.



Durability and Compliance

Manufactured in the USA, every component of ACO StormBrixx meets rigorous AASHTO HS-20 and HS-25 load conditions (see table on pg. 6). Each system provides a reliable and enduring stormwater management solution, aligning with sustainable infrastructure goals.

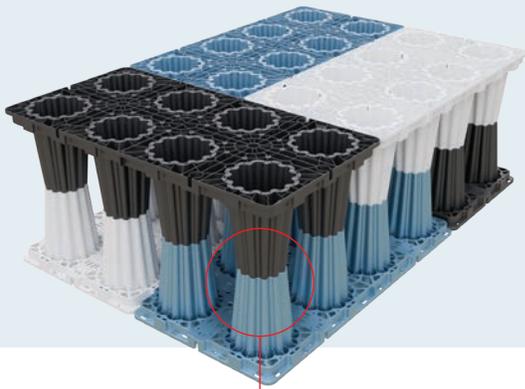
- Minimal product footprint for maximum stormwater runoff management
- Design life of 50–60 years



Highly Robust Design

ACO StormBrixx systems are formed via brick-bonding, where top and bottom Half-Modules are placed and connected perpendicular to one another. This design creates an interconnected system that optimizes load transfer from top to bottom. ACO assists by providing detailed layer orientation drawings with your project in mind.

Further layers of Full-Modules can be stacked on top of each other and connected via Layer Connectors.



Convenient & Efficient Build

Both the open space and structural pillars within ACO StormBrixx can fill with stormwater for maximum capacity. This spacious structure also provides free passage through the system for inspection cameras and cleaning devices.

Along with its efficient use of space for holding stormwater, ACO StormBrixx's build allows for structural adjustments, as Half-modules can be easily cut in half for customized integration within the overall system.

ACO StormBrixx® Product Series

StormBrixx 300 SD & HD

- Lowest profile
- 300 SD compatible with 900 SD
- Available in HS-20 and HS-25-compliant versions

StormBrixx 600 HD

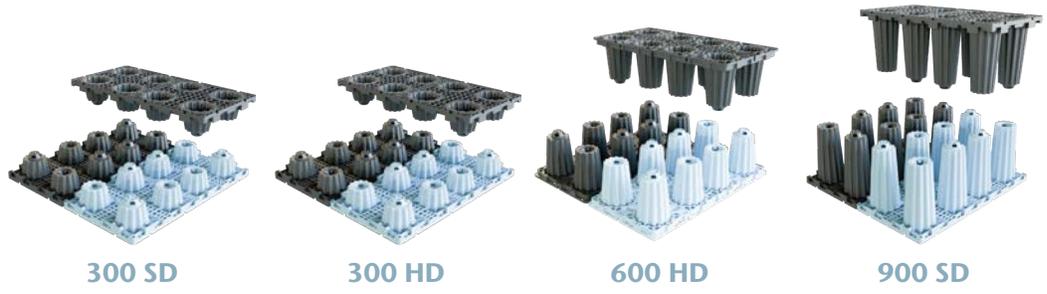
- Largest HS-25 compliant model
- Longest design life (60 years)

StormBrixx 900 SD

- Highest profile
- Greatest void ratio (96.5%)
- Compatible with 300 SD

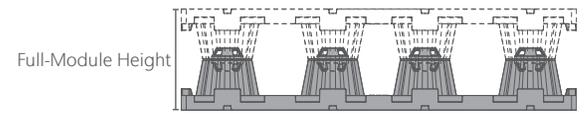


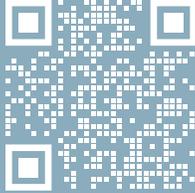
Series Comparison



	300 SD	300 HD	600 HD	900 SD
Half-Module Dimensions	47.24" (1200 mm) 23.62" (600 mm) 7.44" (189 mm)	47.56" (1208 mm) 23.78" (604 mm) 7.51" (191 mm)	47.56" (1208 mm) 23.78" (604 mm) 13.50" (343 mm)	47.24" (1200 mm) 23.62" (600 mm) 19.44" (494 mm)
Assembled Module Height	12.00" (305 mm)	12.08" (307 mm)	24.18" (614 mm)	35.98" (914 mm)
Half-Module Weight	13.8 lbs (6.3 kg)	17.0 lbs (7.7 kg)	23.8 lbs (10.8 kg)	21.6 lbs (9.8 kg)
Max. Depth to Invert ¹	9.50' (2.90 m)	14.16' (4.32 m)	15.00' (4.57 m)	12.00' (3.66 m)
Full-Module Void Ratio ²	93.8%	93.8%	96.0%	96.5%
Full-Module Volume ²	Net: 7.28 ft ³ (0.21 m ³) Gross: 7.75 ft ³ (0.22 m ³)	Net: 7.42 ft ³ (0.21 m ³) Gross: 7.91 ft ³ (0.22 m ³)	Net: 15.18 ft ³ (0.43 m ³) Gross: 15.82 ft ³ (0.45 m ³)	Net: 22.42 ft ³ (0.63 m ³) Gross: 23.24 ft ³ (0.66 m ³)
Number of Full Layers ³	1–3	1–3	1–4	1–3
Vertical Strength ⁴	50.8 psi (350 kPa)	66.0 psi (455 kPa)	66.0 psi (455 kPa)	50.8 psi (350 kPa)
Lateral Strength ⁴	10.2 psi (70 kPa)	13.8 psi (95 kPa)	13.8 psi (95 kPa)	10.2 psi (70 kPa)
Min. Cover Depth for HS-20	24	20	20	24
Min. Cover Depth for HS-25	NA	24	24	NA
Max. Cover Depth ¹	6.50' (2.00 m)	11.16' (3.40 m)	11.16' (3.4 m)	6.50' (2.00 m)
Design Life	50 years	50 years	60 years	50 years

1. Ground improvements may be required. Groundwater is below the tank invert. Contact ACO for more information.
2. A Full-Module is equal to two Half-Modules connected vertically (see adjacent drawing).
3. The height of one layer is equal to the height of one Full-Module. Please consult ACO for system heights greater than four layers.
4. Modules only (no backfill or top covers).





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