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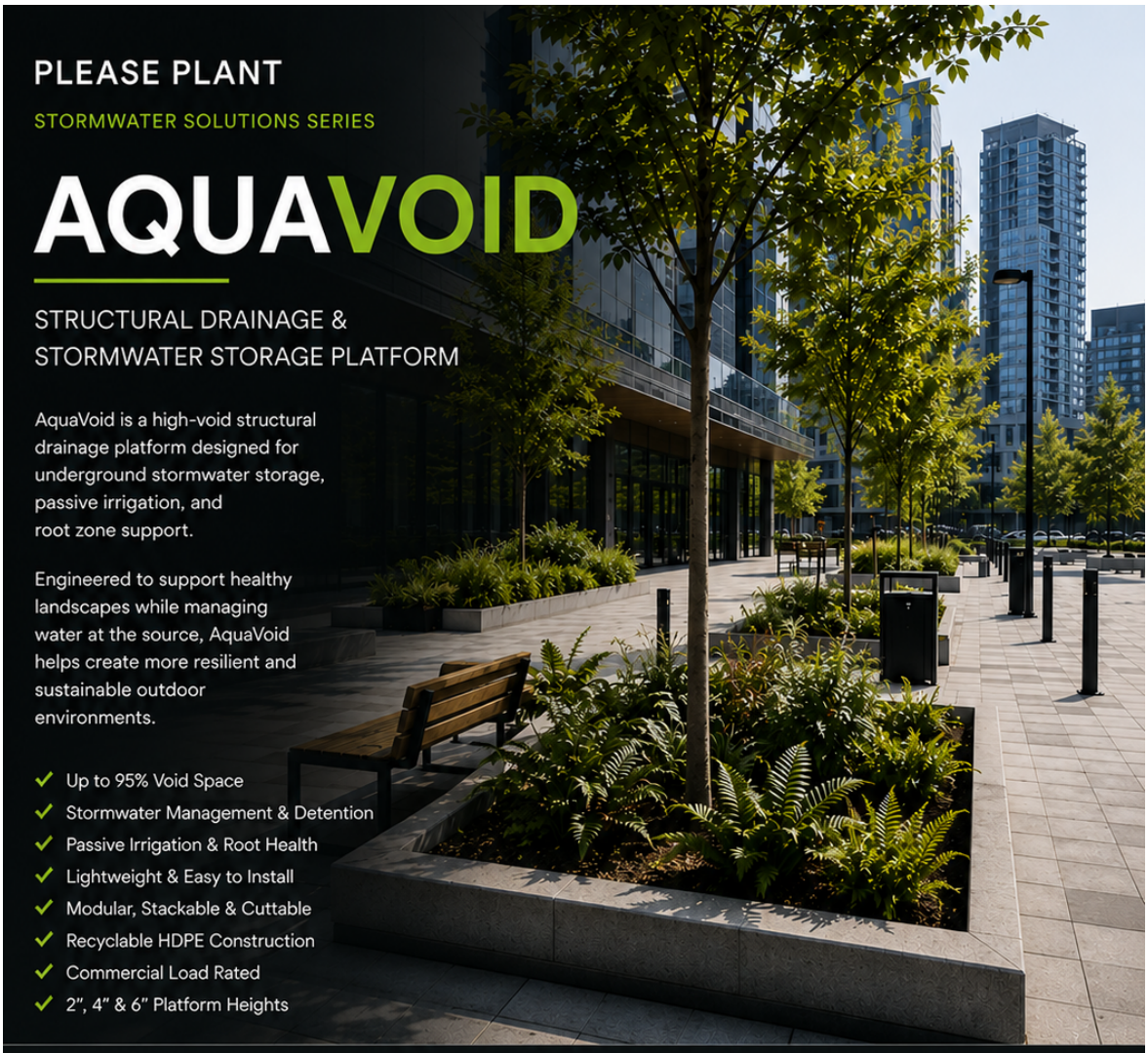
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STORMWATER SOLUTIONS SERIES

AQUAVOID

STRUCTURAL DRAINAGE & STORMWATER STORAGE PLATFORM



AquaVoid is a high-void structural drainage platform designed for underground stormwater storage, passive irrigation, and root zone support.

Engineered to support healthy landscapes while managing water at the source, AquaVoid helps create more resilient and sustainable outdoor environments.

- ✓ Up to 95% Void Space
- ✓ Stormwater Management & Detention
- ✓ Passive Irrigation & Root Health
- ✓ Lightweight & Easy to Install
- ✓ Modular, Stackable & Cuttable
- ✓ Recyclable HDPE Construction
- ✓ Commercial Load Rated
- ✓ 2", 4" & 6" Platform Heights

STORMWATER MANAGEMENT
Store and manage water below grade.

PASSIVE IRRIGATION
Deliver water naturally to root zones.

HIGH VOID RATIO
Maximize storage while minimizing weight.

MODULAR DESIGN
Flexible layouts for any project.

DESIGNED FOR:

- **STREETSCAPES** — Tree pits and urban planting
- **PLANTERS** — Passive irrigation solutions
- **COMMERCIAL LANDSCAPES** — High-performance green infrastructure
- **INSTITUTIONAL CAMPUSES** — Sustainable stormwater management
- **PUBLIC SPACES** — Plazas, parks, and gathering areas
- **STORMWATER STORAGE** — Underground detention & retention
- **LOW IMPACT DEVELOPMENT** — Support sustainable site design
- **EASY INSTALLATION** — Modular system for efficient assembly

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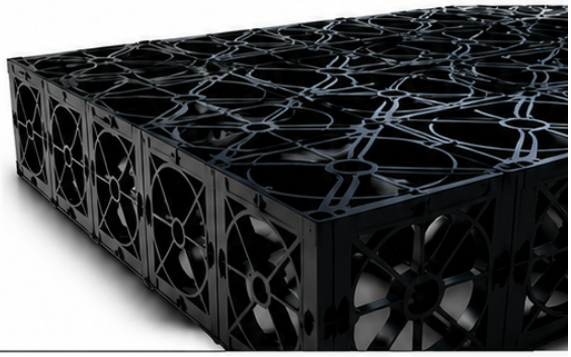
STORMWATER SOLUTIONS SERIES

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AQUAVOID

PRODUCT OVERVIEW & TECHNICAL DATA

AquaVoid is a structural drainage platform that creates high-capacity underground water storage while supporting plant health and surface loads. Its lightweight, modular design maximizes void space for stormwater retention and passive irrigation in a wide range of landscape and hardscape applications.

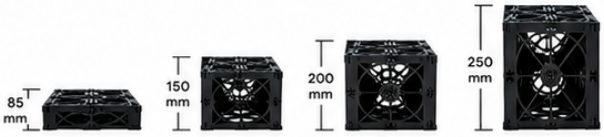


SYSTEM AT A GLANCE



1. PAVING / FINISH SURFACE
2. BEDDING LAYER (Sand or Open-Grade Aggregate)
3. AQUAVOID PLATFORM
4. WICKING COLUMNS (Capillary Irrigation)
5. GEOTEXTILE WRAP
6. WATER STORAGE ZONE (Stormwater Capture)
7. SUBGRADE

PLATFORM HEIGHT OPTIONS



TECHNICAL DATA

PROPERTY	AQUAVOID
Material	HDPE (High-Density Polyethylene)
Recyclable	100% Recyclable
Void Ratio	Up to 95%
Platform Heights	85 mm, 150 mm, 200 mm, 250 mm
Module Size (L x W)	24" x 24" (610 mm x 610 mm)
Module Coverage	4.0 sq ft (0.37 m²)
Compressive Strength*	Up to 46,000 lbs/sq ft (2240 kN/m²)
Load Capacity	Designed for pedestrian and vehicular applications
Cuttable On Site	Yes – Standard Circular Saw
Stackable	Yes
Connections	Integrated Interlocking System
Installation Options	Single Layer or Multi-Layer Configurations
Water Storage Capacity**	Up to 6.2 gal/sq ft per 6" height (252 L/m² per 150 mm)
Operating Temperature	-40°F to 160°F (-40°C to 71°C)
Chemical Resistance	Excellent
Warranty	5-Year Limited Warranty

* When installed per manufacturer guidelines with proper infill and cover.

** Actual capacity varies based on site design and configuration.

HIGH VOID RATIO
Up to 95% void space for maximum water storage.

PASSIVE IRRIGATION
Delivers water naturally to root zones through wicking columns.

STRUCTURAL SUPPORT
Engineered to support pedestrian and vehicular loads.

SUSTAINABLE DESIGN
Made from 100% recyclable HDPE for a greener future.

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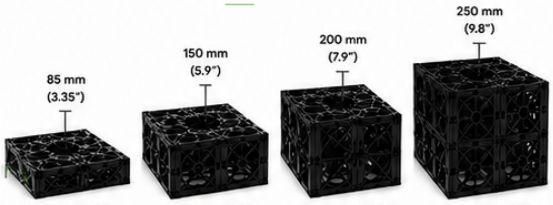
AQUAVOID

TECHNICAL OVERVIEW & SYSTEM CONFIGURATION

AquaVoid™ is a modular drainage and stormwater management platform designed to create high-void storage beneath landscapes, hardscapes, plazas, tree pits, and permeable paving systems. The system promotes water retention, passive irrigation, root development, and controlled stormwater movement while supporting pedestrian and vehicular loading applications.



STANDARD MODULE SIZES

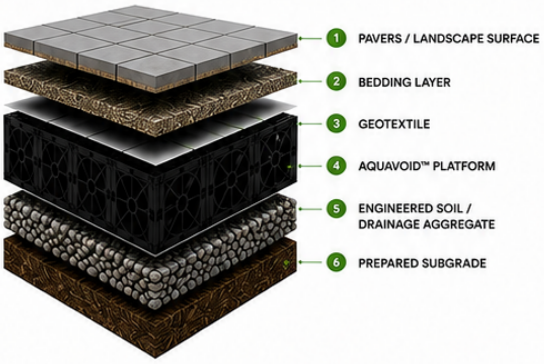


Module Footprint:	1000 mm x 500 mm (39.4" x 19.7")
Material:	High-Density Polyethylene (HDPE)
Color:	Black
Configuration:	Interlocking Modular Platform
Field Modification:	Easily cut using standard circular saws or reciprocating saws.

KEY PERFORMANCE CHARACTERISTICS

- **Up to 95% void space** for stormwater storage.
- **Supports passive irrigation** and lateral water movement.
- **Compatible with engineered soils** and structural soil systems.
- **Stackable system** for deeper storage requirements.
- **Lightweight and easy to transport** for faster, more efficient installation.
- **Supports pedestrian and vehicular** loading applications.
- **Manufactured from recyclable HDPE** for sustainable infrastructure.

TYPICAL ASSEMBLY



TYPICAL APPLICATIONS



100% Recyclable HDPE
Supporting sustainable site design and low impact development.

DESIGN BENEFITS

FAST INSTALLATION
Modular system reduces on-site installation time.

HIGH WATER STORAGE CAPACITY
Maximizes stormwater retention and attenuation.

ROOT-FRIENDLY DESIGN
Promotes healthy root growth and soil connectivity.

LIGHTWEIGHT MODULAR CONSTRUCTION
Easier handling, transport, and faster installation.

REDUCED EXCAVATION REQUIREMENTS
Minimizes site disruption and installation costs.

COMPATIBLE WITH INDUSTRY STANDARDS
Works with geotextiles, geogrids, and engineered soils.

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AQUAVOID

PERFORMANCE, LOAD CAPACITY & DESIGN FLEXIBILITY

LOAD CAPACITY

Engineered to support a wide range of pedestrian and vehicular loading applications when designed and installed in accordance with project requirements and industry standards.

APPLICATION	DESIGN LOAD CAPACITY*
Pedestrian Areas Plazas, sidewalks, park paths	Up to 10,000 lbs/sq ft (48 kPa)
Light Vehicular Parking lots, driveways	Up to 16,000 lbs/sq ft (77 kPa)
Heavy Vehicular Roadways, fire lanes	Up to 33,000 lbs/sq ft (160 kPa)
Special Applications Helicopter pads, maintenance access	Contact Please Plant for project specific evaluations.

* Load capacities vary based on system height, infill material, cover depth, and site conditions. Please consult Please Plant for project-specific design support.

WATER STORAGE CAPACITY (APPROXIMATE)

AquaVoid's high-void design provides exceptional stormwater storage while maintaining structural integrity. Actual capacity depends on system height, configuration, and site design.

SYSTEM HEIGHT	VOID RATIO	STORAGE CAPACITY**
85 mm (3.35")	Up to 95%	0.95 gal/sq ft (38 L/m²)
150 mm (5.9")	Up to 95%	1.70 gal/sq ft (68 L/m²)
200 mm (7.9")	Up to 95%	2.20 gal/sq ft (89 L/m²)
250 mm (9.8")	Up to 95%	2.70 gal/sq ft (110 L/m²)

** Capacities are calculated with 95% void space. Actual values may vary based on design and site conditions.

DESIGN SUPPORT

Please Plant provides technical drawings, detail sections, and engineering support to help you integrate AquaVoid into your next project. Contact us at info@pleaseplant.com

DESIGN FLEXIBILITY

MODULAR & SCALABLE
Configure to fit any site geometry and storage requirement.

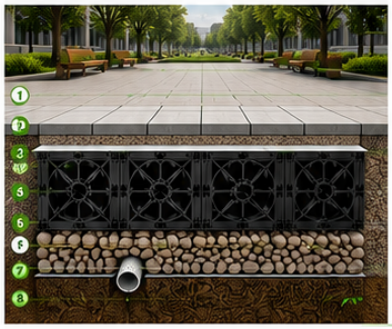
EASY TO MODIFY
Cut on site with standard saws to accommodate utilities and structures.

STACKABLE
Stack modules to achieve greater storage depths.

ADAPTABLE
Works with a variety of soils, geotextiles, and landscape systems.

INTEGRATED SYSTEMS
Seamlessly integrates with underdrains, overflows, and inspection ports.

TYPICAL INSTALLATION SCENARIO – URBAN PLAZA



1. PAVERS / HARDSCAPE SURFACE
2. BEDDING LAYER
3. GEOTEXTILE
4. AQUAVOID™ PLATFORM
5. ENGINEERED SOIL / DRAINAGE AGGREGATE
6. GEOTEXTILE (OPTIONAL)
7. UNDERDRAIN SYSTEM (AS REQUIRED)
8. PREPARED SUBGRADE

SYSTEM INTEGRATION EXAMPLES


TREE PIT SYSTEMS


ROOFTOP LANDSCAPES


PARKING LOTS & DRIVEWAYS


BIORETENTION SYSTEMS

BEST PRACTICES FOR OPTIMAL PERFORMANCE

- ✓ Use appropriate geotextiles to prevent soil migration and clogging.
- ✓ Ensure proper compaction of subgrade and backfill materials.
- ✓ Provide adequate inlet and overflow provisions for system safety.
- ✓ Inspect system periodically to maintain performance and longevity.
- ✓ Design in accordance with local codes, standards, and LID best practices.
- ✓ Contact Please Plant for custom design assistance and project review.

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AQUAVOID

RESOURCES, SUPPORT & NEXT STEPS

We're here to support you from concept to construction and beyond.

RESOURCES AVAILABLE

PRODUCT DATA SHEET & TECHNICAL GUIDE
Detailed information on materials, performance, module sizes, and applications.

TYPICAL DETAILS & ASSEMBLIES
CAD drawings showing system assemblies, sections, and installation details.

CAD & BIM FILES
DWG, DXF, and Revit files available for standard modules and typical assemblies.

THREE-PART SPECIFICATIONS
CSI formatted specs ready for inclusion in your project documents.

SUBSTITUTION ASSISTANCE
Need an alternative? We provide fast, accurate substitution documentation.

BUDGET PRICING & PROJECT SUPPORT
Preliminary pricing and order of magnitude support for planning and budgeting.

WARRANTY INFORMATION
Five-year manufacturer's warranty covering material integrity and structural performance.

WE'RE WITH YOU EVERY STEP OF THE WAY

CONCEPT
Early planning & product guidance

DESIGN
CAD files, details & specification support

CONSTRUCTION
Installation guidance & technical support

LONG-TERM PERFORMANCE
Durable, reliable stormwater solutions

TECHNICAL SUPPORT

Our team of stormwater and green infrastructure experts is here to help you.

- ✓ Product selection assistance
- ✓ Design review and recommendations
- ✓ Installation guidance
- ✓ Project-specific engineering support

Contact us at info@pleaseplant.com
or call +1 236-323-2179



DOWNLOADABLE RESOURCES

Product Data Sheet | Typical Details | Revit Files | 3-Part Specifications | Project Photos

Visit pleaseplant.com/resources to access the complete AquaVoid resource library.

NEXT STEPS

1. Review the resources and typical details.
2. Contact our team for project guidance or questions.
3. Request budget pricing or preliminary take-offs.
4. Specify AquaVoid with confidence.

Let's build a better, more resilient future together.

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Sustainable solutions.
Stronger communities.
Healthier environment.

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info@pleaseplant.com
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LEARN MORE
Visit our website to explore AquaVoid and our complete stormwater solutions.