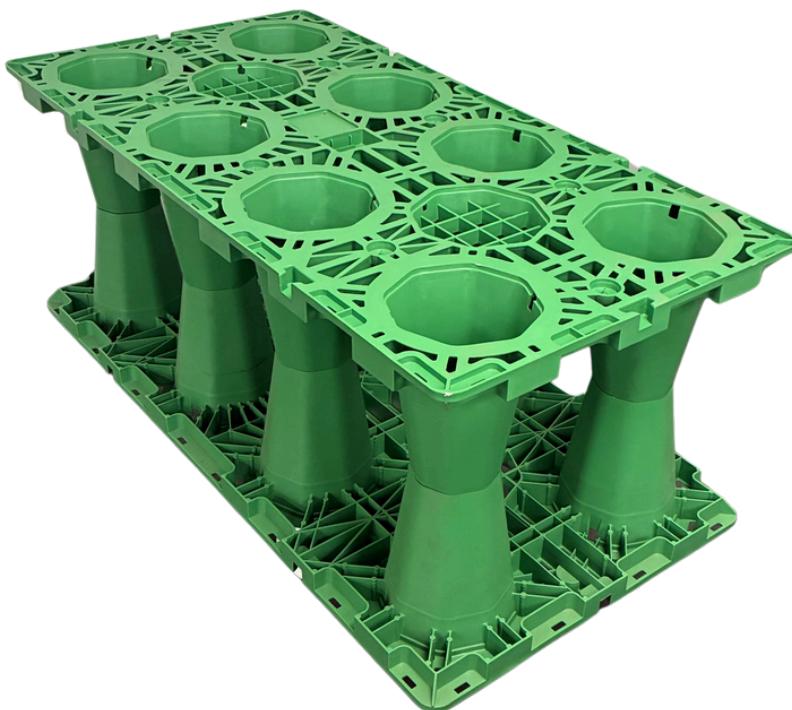


Stormwater Management

Underground Stormwater Units

StormSmart™ Modules



TITAN
BUILD YOUR LEGEND

StormSmart™ Modules

APPLICATION

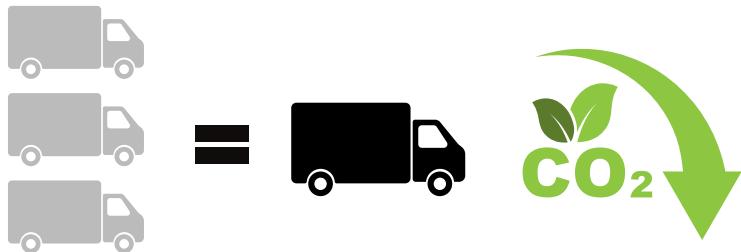
Commonly used under parking lots and green spaces in residential, commercial and industrial areas as well as within low impact development (LID) applications.

- Stormwater harvesting (retention)
- Stormwater infiltration
- Stormwater attenuation (detention)

EASE OF INSTALLATION

Lightweight and easy to handle, this modular tank requires minimal accessories and can be assembled with ease, significantly reducing the amount of labour involved.

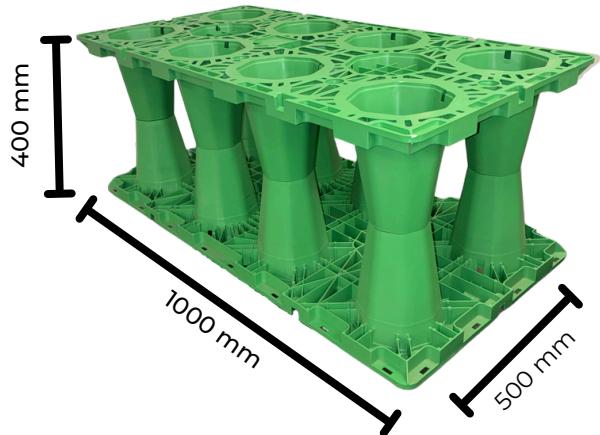
REDUCED CARBON FOOTPRINT



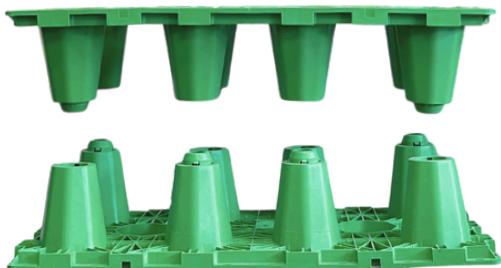
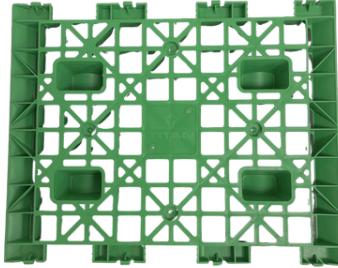
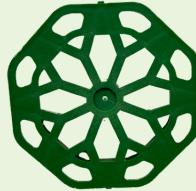
Module components are nested together for a compact design and securely palletized, optimizing truckload capacity and simplifying on-site handling. The system also requires less aggregate, reducing the need for excessive stone processing and transport.

SPECIFICATIONS

Size	1000mm x 500mm x 400mm
Material	100% Polypropylene
Void Space	95%
Design Life	50 Years
Load-Rating	HS25

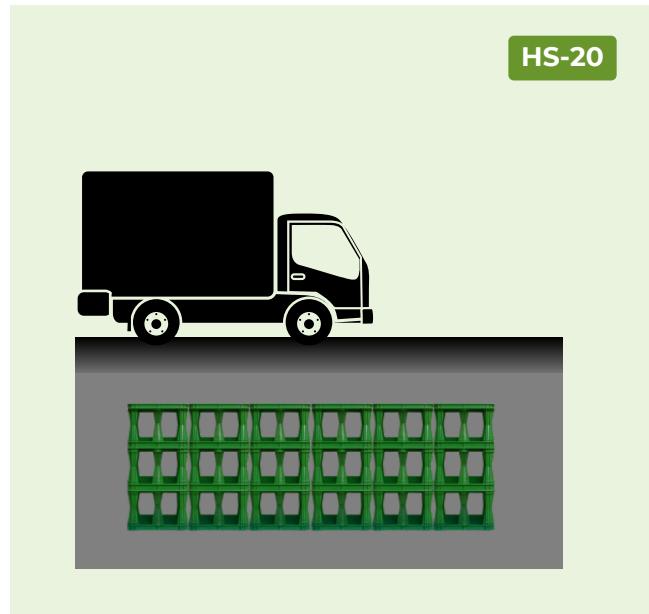


System Components

 <p>Module</p>	 <p>Side Panel</p>
 <p>Clip</p>	 <p>Cap (Optional)</p>
 <p>Inspection Port</p>	 <p>Surface Grade</p>
 <p>StormSmart™ Geogrid</p>	

Loading

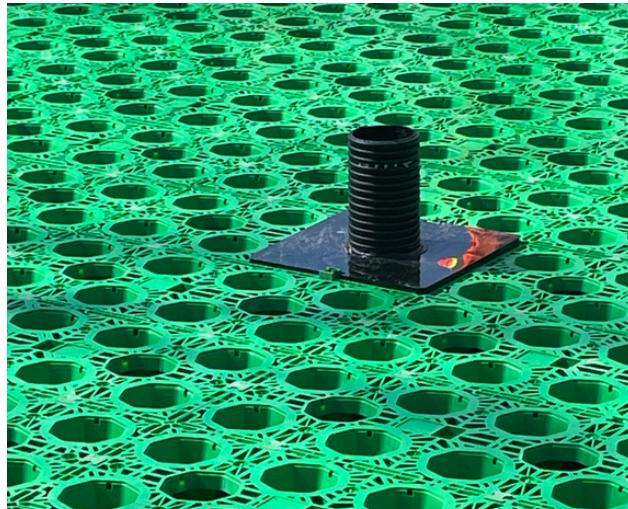
Loading Type	Pedestrian	HS10	HS20	HS25
Minimum top cover	300mm (12")	380mm (15")	500mm (20")	500mm (20")
Maximum burial depth	7.75m (24.5 ft)	7.75m (24.5 ft)	7.75m (24.5 ft)	7.75m (24.5 ft)



Inspection & Maintenance

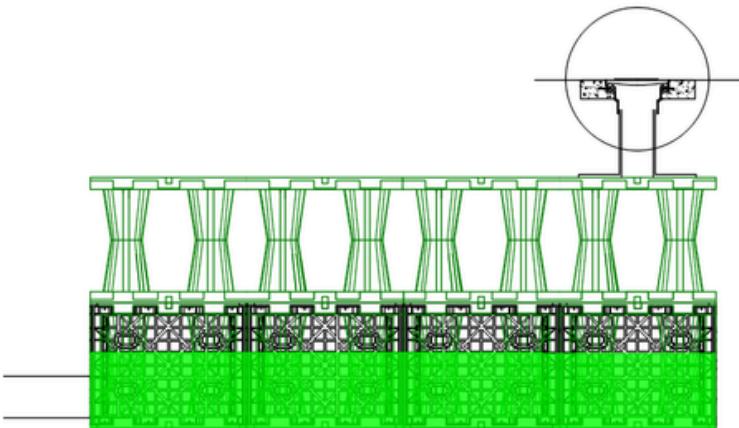
INSPECTION PORT

The system incorporates inspection ports that are integrated at the top of the tank and extend up to the surface level to facilitate routine inspection and maintenance.



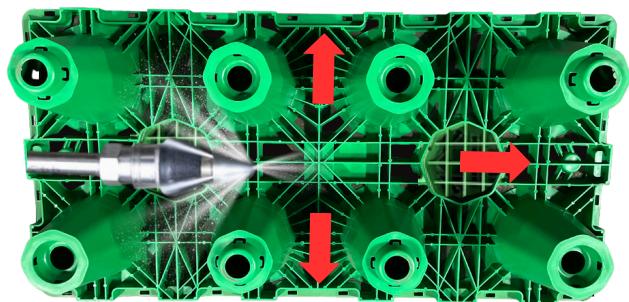
FIRST CAPTURE

In larger installations, the first capture row can be utilized to isolate a section of the tank—based on pipe size—to concentrate sediment and debris in a designated area, streamlining the clean-out process.



CLEANOUT

Debris and sediment can be effectively and efficiently removed from the system using a vacuum truck, which works by flushing clean water through the components to dislodge and extract buildup. Thanks to the open and accessible design of the modular system, inspections are quick and straightforward, easily carried out using a CCTV camera whenever needed. This ensures ongoing maintenance is simple, and reliable.



Advantages

RESEARCH & DEVELOPMENT

Titan has conducted comprehensive research and development, including third-party testing, to validate that the system meets HS-20 and HS-25 load ratings in accordance with AASHTO standards. This testing also confirms the required minimum cover depths to achieve these load ratings, as well as the maximum allowable burial depth.

Additionally, Titan has engineered a proprietary geogrid solution specifically designed to eliminate the need for top covers on larger systems. This innovation significantly reduces installation labor and streamlines the construction process.



THE TITAN ADVANTAGE

- Extensive Supply Network
- Optional Installation Services
- Project-Specific Consultation
- Value-Engineered

Recommendations

- Comprehensive Technical Support



Titan Environmental supplies proven geosynthetics and specialty civil engineering construction solutions designed to extend the life of vital infrastructure while protecting precious natural resources.

We push limits with creative solutions. Our product lines include geomembranes, geotextiles, geogrids, primary & secondary containment systems, stormwater management solutions, drainage solutions, MSE wall & slope systems, and erosion & sediment control products. We service the road construction, agricultural, waste management, water resources, mining, oil and gas, and hydroelectric industries that support essential infrastructure worldwide. By providing engineers with a resilient foundation for building better, we've become North America's fastest-growing-end-to-end geosynthetics supplier, fabricator, and installer.

We do more than help manage environmental impact, we help improve how that's done. With a team of audacious innovators and agile problem-solvers, we're trusted to adapt to change, respond quickly, and support you at every stage. When you build with Titan, you strive for your very best.



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