



TurfPave[®]

Grass & Gravel Paver



Solutions for Sustainable Urban Development

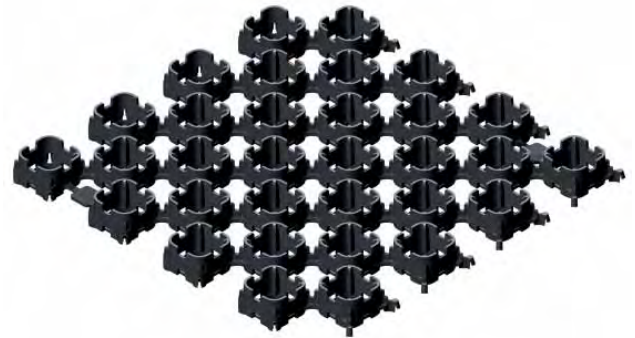
TurfPave[®] structural modules for stabilisation of grass lawns or decorative gravel

TurfPave®

TurfPave® is used for the construction of grass or gravel access pathways for emergency vehicles, over-flow parking, home driveways, golf buggy paths and boat parking rams and secondarily for slope stabilization and erosion control. TurfPave® replaces asphalt or concrete surfaces to create permeable surface and enables these areas to blend into the aesthetics of their surroundings.

TurfPave® is a lightweight high-strength structural module made from 100% re-cycled plastics designed to contain and stabilise grass or decorative gravel in areas subject to pedestrian and occasional vehicular traffic.

TurfPave® modules consist of a network of high load-bearing porous cells which protect grass roots against compaction and or contain and stabilise decorative gravel. The cellular grid evenly distributes loads from pedestrian and vehicular traffic including large fire trucks. Rainwater infiltrates freely to the substrate below preventing water-logging in the paved areas.



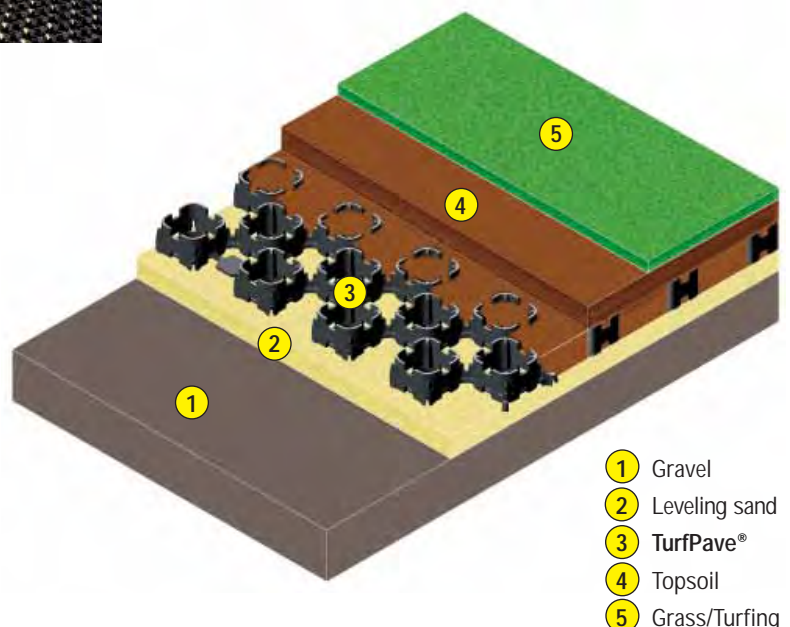
F1 Pit Building, Singapore

TurfPave® has snap-on connectors that allow modules to interlock and be assembled into large panels, ensuring that individual modules remain in place after installation. Individual cells linked by a flexible inter-connecting grid enable the network of cells to conform easily to uneven surfaces.

TurfPave® cells have sufficient depth and contain top and bottom notches as well as a large open base that allows root and plant runners to spread freely sideways or downwards, thus promoting vigorous root development and healthy plant growth. Vertical webs at the corners minimise girdling of roots along the interior cell walls by directing them downward.

Applicable Areas

- Pathways for emergency vehicles and fire truck access
- Vehicle parking lots
- Golf cart paths
- Street shoulder parking
- Racetrack infield and pit areas
- Drainage channels
- Boat parking rams
- Gentle slopes and inclines



Advantages

- Supports high load imposed by emergency vehicles
- Protects turf surfaces against erosion
- Permeable surface alternative to asphalt and concrete surfaces
- Reduces Urban Heat Island Effect
- Unrestricted root and runner growth
- Minimised root girdling along internal cell walls
- Conforms easily to uneven surfaces
- Snap-on connectors ensure modules remain in place
- Enhances site appearance through restoration of vegetation
- Rapid installation with minimal installer training
- Nesting reduces storage and container space requirements and transportation costs
- Made of 100% re-cycled materials
- Supports Green Building Certification



TurfPave® effectively stabilises decorative gravel



Homebush Olympic Village, NSW Australia



Sydney Academy of Sports, NSW Australia



Republic Polytechnic, Singapore

Specifications

Module Size	500mm L x 500mm W x 40mm H
Material	Recycled polypropylene
Colour	Black (other colours upon request)

Compressive Strength:

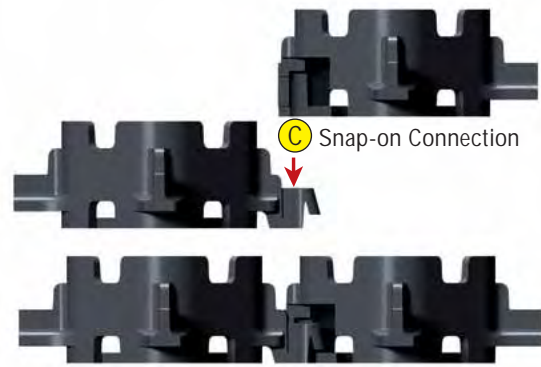
Unfilled	~150t/m ²
Sand Filled	~2,000t/m ²

Weight	~4.3kg/m ²
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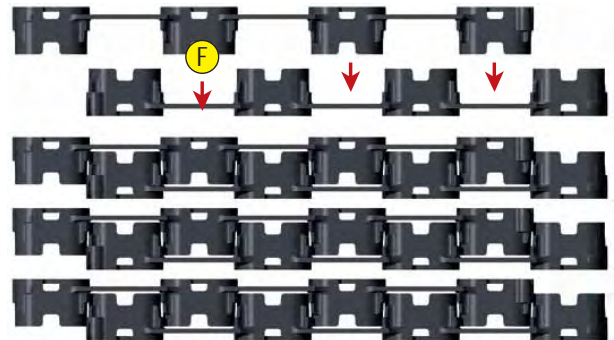
Biological/Chemical Resistance	Unaffected by moulds and algae and good resistance to alkali and bitumen
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Unique Features

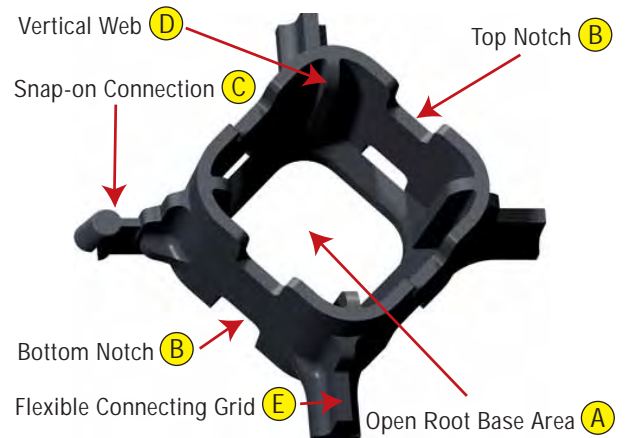
- More than 90% unrestricted root base area (A)
- Taller cells enhance vigorous root development
- Top and bottom side notches (B) allow unrestricted runner and root growth
- Secure snap-on connection (C) ensures TurfPave® remains in place after installation
- Vertical webs (D) minimise girdling of roots by directing them downward
- High compressive strength - unfilled cells support loads ~ 150t/m²
- Flexible connecting grids (E) ensure modules conform to uneven surfaces
- Snap-on connections allow large panels to be pre-assembled off-site
- Rapid to install with minimal installer training and no requirement for special tools
- Nesting (F) design halves storage and transport costs



Simple and secure snap-on connection



Patented nesting design saves on handling and transport costs



Note: The information provided in this brochure is based on current knowledge and experience and does not infer any legally binding assurance or warranty, expressed or implied. Intending purchasers should verify whether any changes to specifications or applications or otherwise have been made since this literature was issued. The products in this brochure are manufactured using specified recycled plastics under detailed quality control standards and procedures. Whilst TurfPave® is designed for its intended use, the design calculations shall be the responsibility of the Specifier and/or User.



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