



  
**KOMIX**  
Since 2004

**TurfPave<sup>®</sup>**

VÌ TRỒNG CỎ TRÊN BÃI ĐẠU XE, LỐI ĐI, RÀI SỎI,  
ĐÁ, CÁT, CHO BÃI ĐẠU XE SIÊU TRỌNG

5



## Grass & Gravel Paver

A robust plastic interlocking grid that stabilises turf and decorative gravel and provides an environmentally friendly and practical alternative to impermeable surfaces. TurfPave is positioned under the grass surface and minimises grass and root compaction.

## Vỉ trồng cỏ trên bãi đậu xe, lối đi

TurfPave là vỉ trồng cỏ hoặc rãnh sỏi chịu tải trọng cao, thân thiện môi trường, liên kết với nhau bởi các khóa ngầm tích hợp. Khi trồng cỏ lên trên lớp TurfPave, mặt trên cỏ vẫn phát triển tốt, chịu tải trọng cao khi đậu xe, rễ cây phía dưới không bị nén chặt và vẫn phát triển tốt dù xe đậu phía trên.



## Features & Benefits

1. Installed under turf surface
2. Distributes vehicle weight
3. Supports heavy vehicles (~2,000t/m<sup>2</sup>)
4. Allows water infiltration
5. Conforms to uneven surfaces
6. Lightweight & easy to install
7. Promotes vigorous root development

## Applicable Areas

1. Fire engine access areas
2. Overflow & street shoulder parking areas
3. Private house driveways
4. Pedestrian pathways

## Ưu điểm

1. Lắp đặt dưới lớp đất trồng cỏ
2. Phân bổ tải trọng xe đậu phía trên
3. Chịu tải trọng cao (tương đương ~2,000t/m<sup>2</sup>)
4. Cho nước thoát xuyên qua vỉ.
5. Thích hợp với bề mặt nền gồ ghề, không bằng phẳng.
6. Nhẹ và dễ thi công
7. Tạo điều kiện cho rễ cây phát triển dễ dàng.

## Ứng dụng

1. Bãi đậu xe chữa lửa (tải trọng cực nặng)
2. Bãi đậu xe công cộng hai bên lề đường
3. Bãi đậu xe nhà dân dụng
4. Lối đi bộ

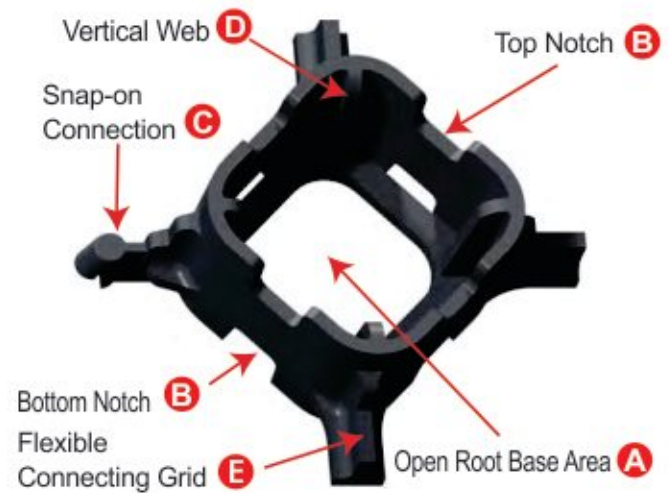
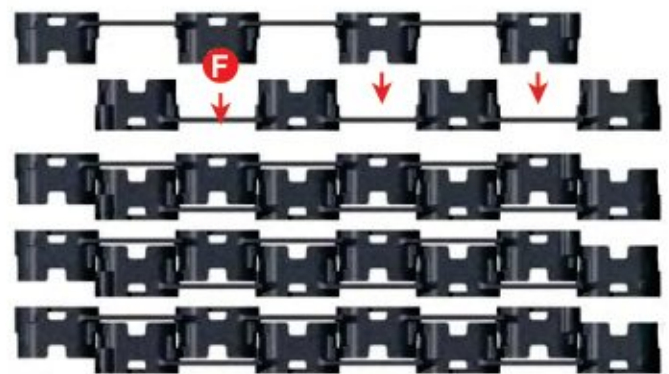
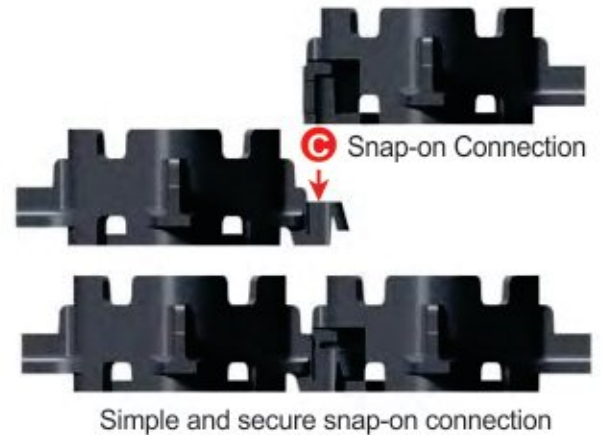


## Specifications

<b>Module Size</b>	Recycled polypropylene
<b>Material</b>	500mm L x 500mm W x 40mm H
<b>Colour</b>	Black
<b>Compressive Strength:</b>	
Unfilled	~150t/m <sup>2</sup>
Sand Filled	~2,000t/m <sup>2</sup>
<b>Weight</b>	~4.3kg/m <sup>2</sup>
<b>Biological/Chemical Resistance</b>	Unaffected by moulds and algae and good resistance to alkali and bitumen.

## 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/m<sup>2</sup>
- 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



**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



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 & stabilise grass or decorative gravel in areas subject to pedestrian and occasional vehicular traffic.

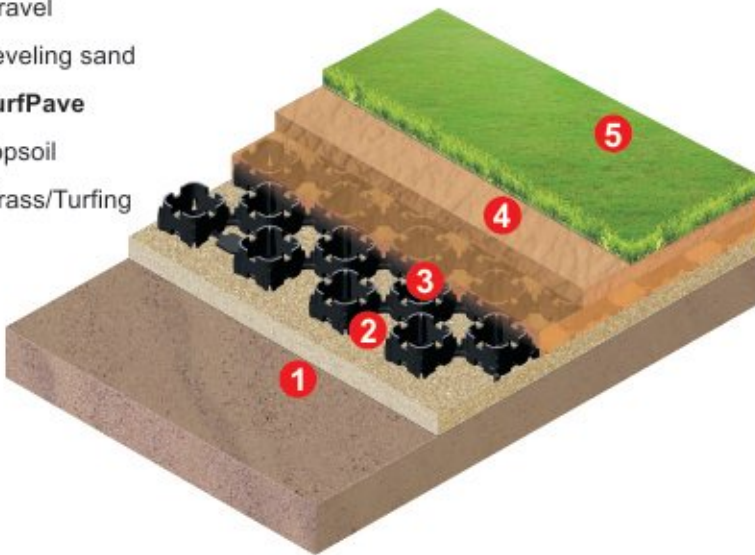






**TurfPave** modules consist of a network of high load-bearing porous cells which protect grass roots against compaction and or contain and stabilise decorative gravel. The cellular grid evenly distributes loads from pedestrian and vehicular traffic including large fire trucks. Rainwater infiltrates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

- 1 Gravel
- 2 Leveling sand
- 3 TurfPave
- 4 Topsoil
- 5 Grass/Turfing



## Application 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 ramps
- Gentle slopes and inclines







**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.



## 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





1

Install TurPave on the top of substrate

Lắp Turpave lên mặt bằng



2

Fill sand and soil on top

Đổ cát & đất lên trên



3

Planting grass on car parking area

Trồng cỏ và hoàn thiện bãi đậu xe



4

Fill gravel on car parking area

Rải đá trên bãi đậu xe



## Formula 1 Pit Building Singapore







**International Business Park  
Singapore**



**Orchard Central Mall**  
Singapore







**Formula 1 Pit Building  
Singapore**





**KOMIX**

**GREEN ROOF & GREEN WALL**

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