

# TurfPave® XD

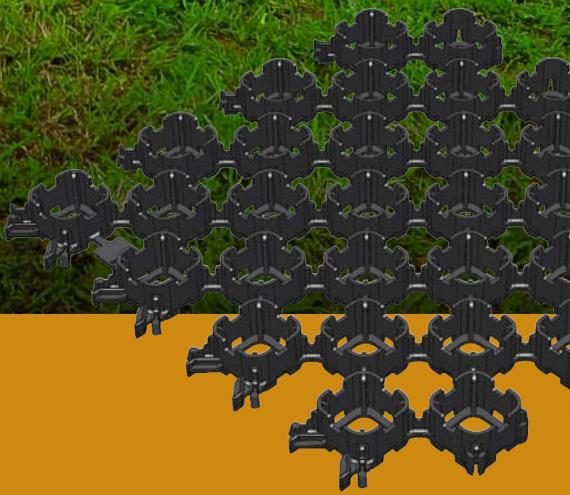
Grass & Gravel Paver



**Creating Cities**  
**Where Urban Meets Nature**

## Our Innovation Your Solution

TurfPave® is an interlocking grass and gravel paver manufactured from recycled plastics designed to stabilise and support grass or decorative gravel that is subject to pedestrian and occasional vehicular traffic.



035-005



VERY GOOD



FIND US ON



2015-16

trust brands



# TurfPave® XD

TurfPave® XD is used primarily for the creation of grass or gravel access pathways for heavy emergency vehicles and stabilisation of areas such as overflow parking, home driveways, golf buggy and equestrian dressage arenas and paths, helicopter landing pads and boat parking ramps. It also serves as a stabiliser for mild slopes and functions as an erosion control measure.

## About TurfPave® XD

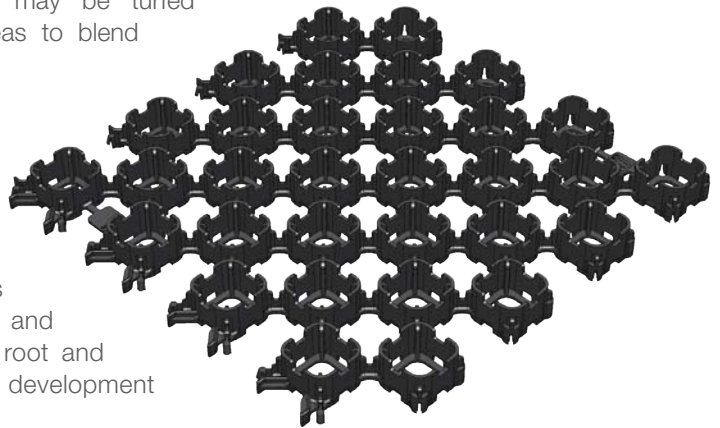
TurfPave® XD is a high strength plastic module designed to contain and stabilize grass or decorative gravel with the ability to withstand heavy loads imposed by emergency vehicles such as fire trucks. It replaces asphalt and concrete to create permeable surfaces that may be turfed or planted with ground cover and enable these areas to blend into the aesthetics of their surroundings.

Snap-on connectors allow individual TurfPave® XD modules to interlock with each other ensuring that they remain in place during and after installation.

TurfPave® XD consists of a network of sturdy porous cells which prevents soil compaction. It has top and bottom notches with a large open base that allow root and plant runners to spread freely for vigorous root development and promote healthy plant growth.

Vertical webs at the corners of each individual cell minimise girdling of roots along the interior cell walls by directing them downward.

TurfPave® XD is made from 100% recycled materials and support Green Building Certification.



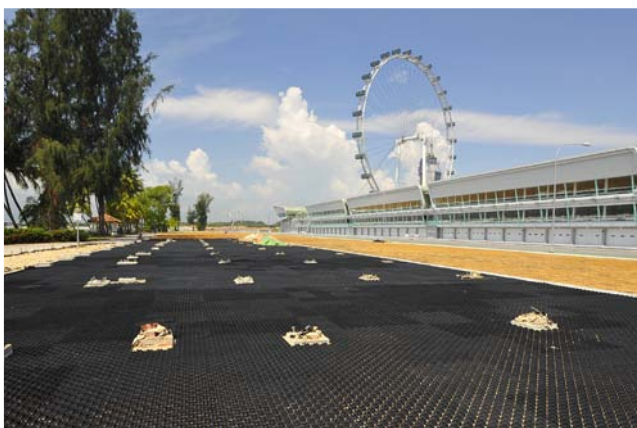
## Advantages

- Supports heavy vehicular load
- Reduces erosion and soil migration
- Conforms to uneven surfaces
- Does not hinder root and runner growth
- Easily installed and removed
- Supports Green Building Certification

## Applications

- Fire engine access lanes
- Residential driveways
- Golf buggy paths
- Racetrack infield and pit areas
- Pedestrian pathways
- Overflow & street shoulder parking areas
- Horse arena
- Disabled access

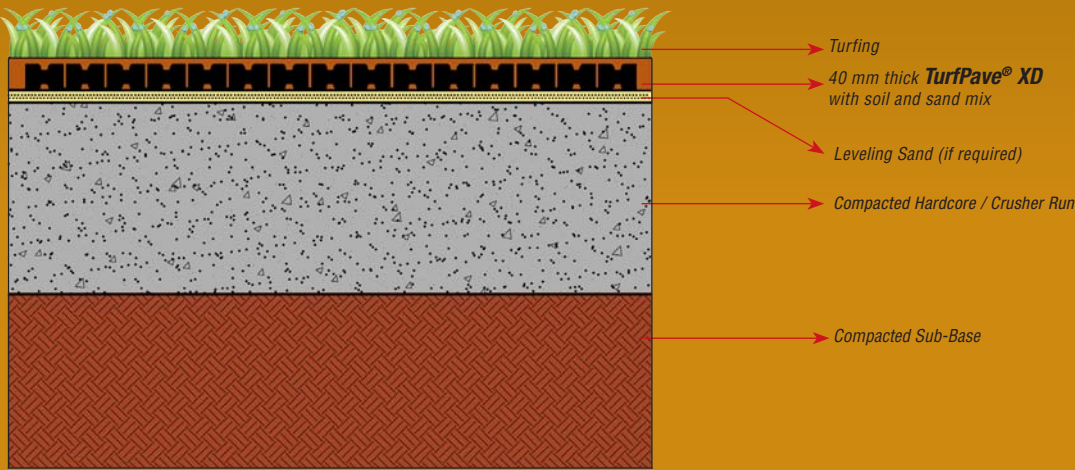
### Before



### After



# TurfPave® Build-Up



## Permeable Surface for Stormwater Management

**TurfPave® XD** is suitable for use as a permeable surface in stormwater management systems as it allows rain water to percolate through the infill and infiltrate into the base course below. This process serves to filter pollutants from stormwater at source and prevents water logging.

TurfPave® XD reduces use of concrete or asphalt surfaces thereby helping to mitigate Urban Heat Island Effect (UHIE).

# Projects

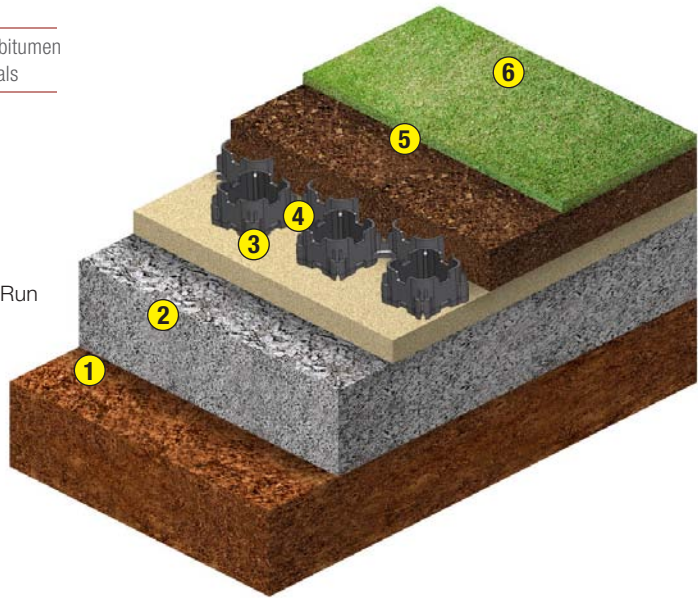




# Technical Specifications

Material	Polypropylene
Dimensions	500 mm x 500 mm
Height	40 mm
Cell Size (diagonal)	70 mm
Weight	~4.3 kg/m <sup>2</sup>
Compressive Strength (unfilled)	~150 t/m <sup>2</sup>
Compressive Strength (sand filled)	~3000 t/m <sup>2</sup>
Service Temperature	-30 °C to 80 °C
Biological Resistance	Unaffected by moulds and algae
Chemical Resistance	Resistant to rot, oils, acids, alkalis, bitumen and naturally occurring soil chemicals

- ① Sub-Base
- ② Hardcore/Crusher Run
- ③ Leveling Sand
- ④ TurfPave® XD
- ⑤ Topsoil
- ⑥ Grass/Turfing



TurfPave® XD has been tested\* in accordance with ASTM D695-08 to withstand compressive exceeding **3000 t/m<sup>2</sup>** (4267psi) and exceeds typical load requirements of vehicles, namely:

Passenger vehicle	up to 28 t/m <sup>2</sup> (40 psi)
Light goods van	up to 42 t/m <sup>2</sup> (60 psi)
Fire engine /	up to 77 t/m <sup>2</sup> (110 psi)
Container truck	
SCDF CP 2002	80 t/m <sup>2</sup> (113 psi)

\* Singapore Test Services Pte Ltd



TurfPave® XD tests for the Hong Kong Housing Authority



A security hologram has been applied on all our products to ensure that the end-user receives the best quality and original Elmich product.

**Distributed by:**

**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 the issue of this literature. Environmentally-friendly recycled materials are used in product manufacture wherever possible. Physical product properties including colour may differ due to source of raw materials used. Colour may also fade due to UV exposure. All components of the product are designed for specific application, design calculations and any variation and/or deviation therefrom shall be the responsibility of the specifier and/or user.



**ELMICH PTE LTD** [www.elmich.com](http://www.elmich.com)

Singapore: (+65) 6356 2800

info@elmich.com

Singapore | Australia | Germany | Switzerland | United States

