

# TurfPave® XD

Grass & Gravel  
Stabilising System



Enhancing Our Environment

**PERMATHENE**  
Earth Solutions

# TurfPave® XD

TurfPave® XD provides designers and developers with a grassed alternative to concrete and asphalt surfaces that is practical, aesthetically pleasing and environmentally friendly.

## What is TurfPave® XD?

TurfPave® XD is a lightweight plastic grid structure specially designed to stabilise and support turf, grass or decorative gravel.

TurfPave® XD has a wide range of applications in the landscape, construction, and environmental remediation industries.

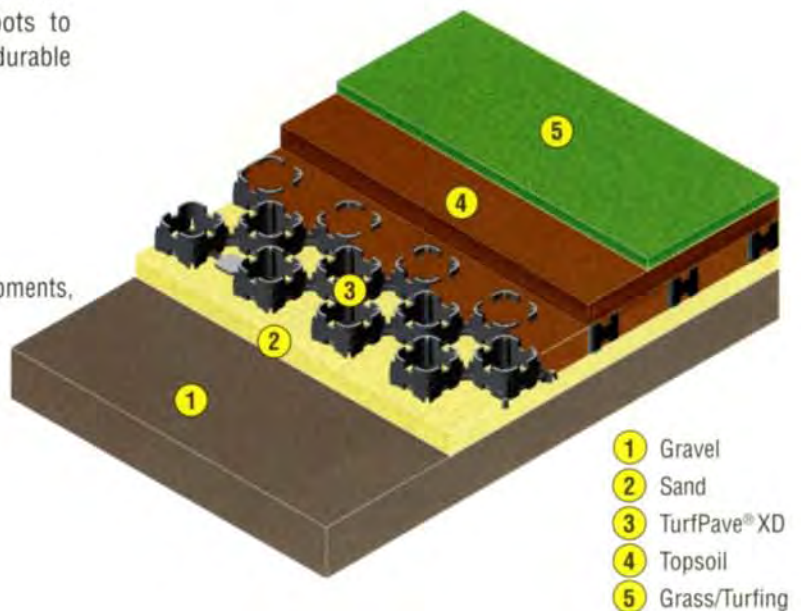
TurfPave® XD supports US LEED™ credits: SS6.1, SS6.2, SS7.1, SS5.1 and MR4.1.

Positioned under a grass landscape, TurfPave® XD distributes loads from pedestrian and vehicular traffic to the base course below, minimising grass and root compaction. The interconnected cells allow roots to develop with minimal restriction, resulting in a durable and stable grass surface.



## Applications

- Emergency and firelane access
- Vehicle parking lots for commercial developments, homes, sports complexes, festival grounds, churches and more.
- Golf cart paths
- Street shoulder parking
- Racetrack infield and pit areas
- Drainage channels
- Slope stabilisation and erosion control
- US ADA compliant
- 100% permeable



## BEFORE



Roadside parking on unstable ground

## AFTER



Roadside parking

## Advantages

- More than 80% 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® XD remains in place after installation
- Vertical webs **(D)** minimise girdling of roots by directing them downward
- High compressive strength - unfilled cells support loads >200 t/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 installation with minimal operator training and tools required
- Nesting **(F)** design halves storage and transport costs

## Specifications

**Module Size:** 500 mm L x 500 mm W x 40 mm H

**Material:** 100% recycled high density polypropylene

**Colour:** Black (other colours upon request)

**Compressive Strength:**

Unfilled > 200 t/m<sup>2</sup>

Sand Filled > 2,000 t/m<sup>2</sup>

**Weight:** ~ 4.3 kg/m<sup>2</sup>

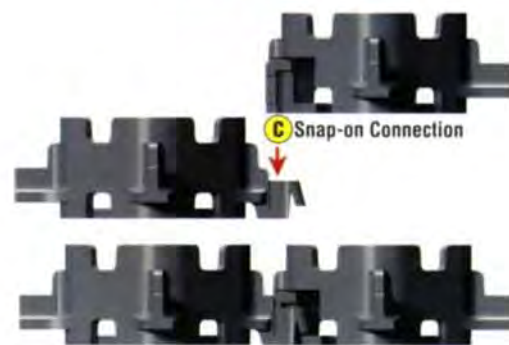
**Biological/Chemical Resistance:** Unaffected by moulds and algae. Resistant to oils, acids, alkalis and bitumen

**Service Temperature:** -30° C to 120° C

## Unique Features



## Secure Locking



Simple and secure snap-on TurfPave® XD connection

## Saves on Transport & Storage Costs



TurfPave® XD nesting design saves on handling and transport costs

TurfPave® XD has international patents pending

[www.turf pave.com](http://www.turf pave.com)

## **Disclaimer**

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate.

While every effort has been made to provide accurate and reliable information, it is up to the user of this brochure to verify all information, including designs it might be based upon, with an independent source. Application of this data must be made on the basis of responsible professional judgement.

Except when agreed to in working conditions of use, no warranty expressed or implied is made regarding the performance of any product, since the manner of use and handling is beyond our control.