

# TurfPave<sup>®</sup> XD

Grass & Gravel  
Stabilising System



## Enhancing Our Environment

TurfPave<sup>®</sup> XD enhances our environment through the creation of stabilised and durable lawns.



# 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.

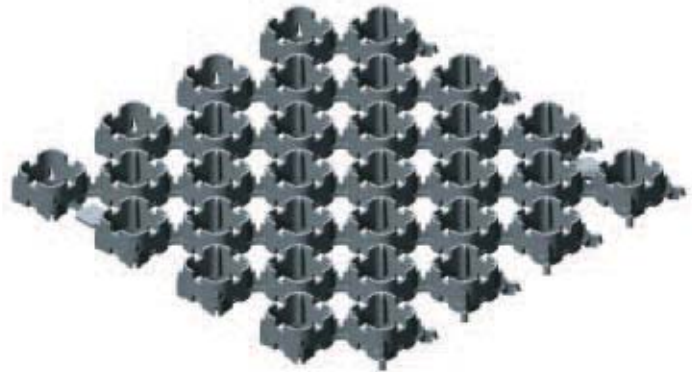
## What is TurfPave® XD?

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.

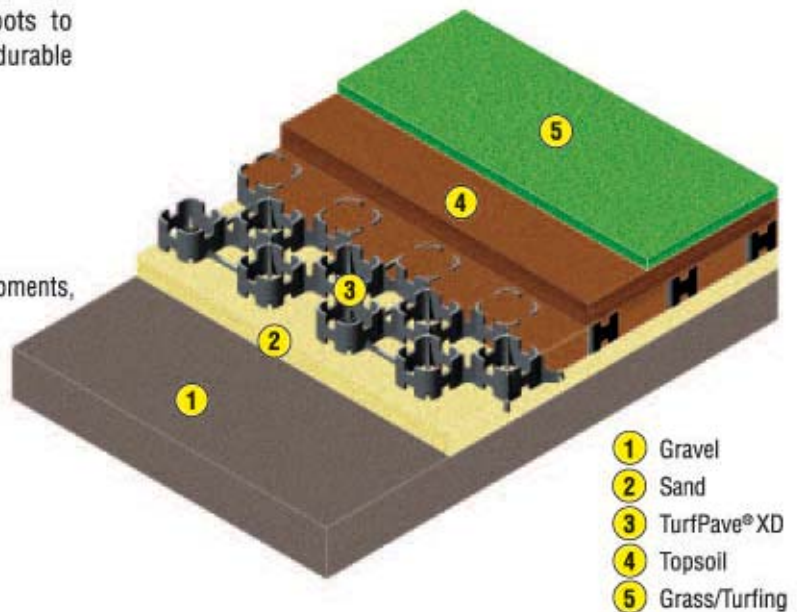
TurfPave® XD supports US LEED™ credits: SS6.1, SS6.2, SS7.1, SS5.1 and MR4.1.

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

## Installation Procedures

**TurfPave® XD's** easy assembly requires no special tools. The product conforms to odd shapes or profiles, and excess cells may be trimmed with pruning shears.

- Prior to installation, calculate the area where **TurfPave® XD** is to be installed
- Excavate and/or level the area
- Install drainage systems, irrigation systems, and utility lines in the subgrade, as needed
- Lay and compact a sand and gravel road base or washed paving sand to provide support for projected weight-bearing loads
- Position **TurfPave® XD** cells on the compacted sand and gravel road base or paving sand
- Cover the **TurfPave® XD** cells with a recommended sand soil mix for turf establishment
- Apply recommended moisture, water retention agents and fertilisers
- Place sprigging or rolled turf, or hydro-seed onto the filled **TurfPave® XD** cells
- Implement regular maintenance schedules

*Note: Installation may vary with different geographical locations.*



**TurfPave® XD** provides effective slope stabilisation



**TurfPave® XD** is approved for use by large fire trucks



**TurfPave® XD** enables golf cart paths to blend into fairway areas



Stabilised turf at Newington Olympic Village Sydney

## 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 polypropylene

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

**Compressive Strength:**

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

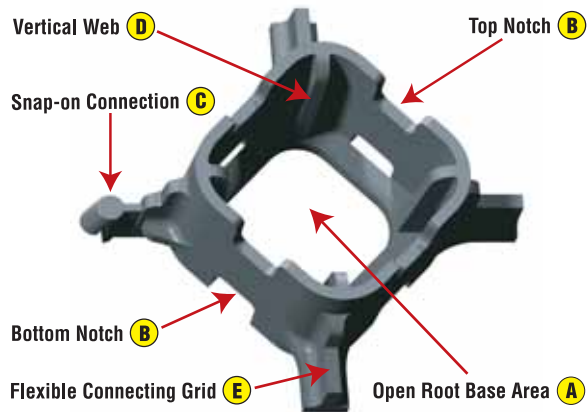
Sand Filled > 2,000 t/m<sup>2</sup>

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

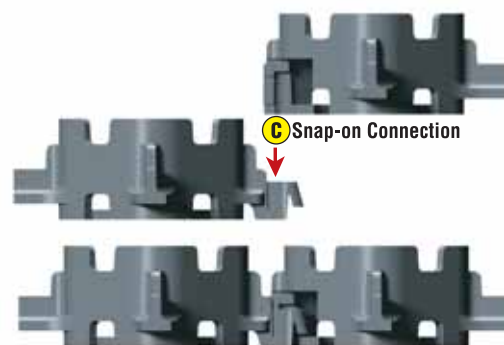
**Biological/Chemical Resistance:** Unaffected by moulds and algae. Resistant to oils, acids, alkalis and bitumen

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

## Unique Features

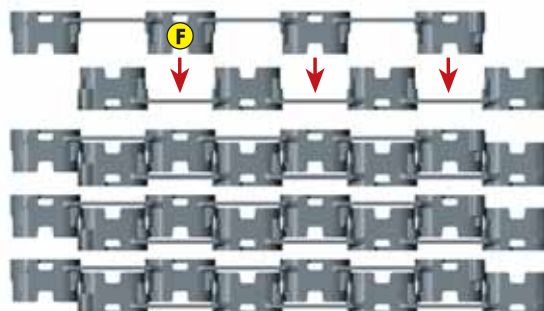


## Secure Locking



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.turfpave.com](http://www.turfpave.com)

**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® XD** is designed for its intended use, the design calculations shall be the responsibility of the Specifier and/or User.



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