

# TurfPave® HD

## Grass Paver



TurfPave® HD is used in the construction of grass access pathways for emergency vehicles and stabilisation of areas such as overflow parking, residential driveways, golf buggy and equestrian dressage arenas and paths, and pleasure craft parking ramps. It also serves as a slope stabilisation and erosion control measure.



### About TurfPave® HD

TurfPave® HD is a structural module designed with sufficient depth to contain and stabilise grass. It is engineered to withstand loads in areas subjected to pedestrian and occasional vehicular traffic. TurfPave® HD replaces asphalt or concrete to create permeable surfaces and enable these areas to blend into the aesthetics of their surroundings.

TurfPave® HD consists of a network of porous cells which protect grass roots against compaction. The openings at the base and side allow roots and plant runners to spread freely to establish vigorous root development to encourage healthy plant growth.

TurfPave® HD modules interlock ensuring that they remain in place during and after installation. The connections between cells allow assembled panels to flex and conform to undulating terrain.

TurfPave® HD is suitable for use as a permeable surface in stormwater management systems as it allows rain water to percolate through the in-fill and infiltrate into the base course below. This process serves to filter pollutants from stormwater at source and prevents water logging. Concrete or asphalt surfaces are impervious surfaces and do not allow infiltration thereby contributing to the Urban Heat Island Effect (UHIE).



\* TurfPave® HD is made from 100% recycled materials and supports Green Building Certification.

### Applications

- Pathway for light emergency vehicles
- Pedestrian pathways
- Street shoulder parking areas
- Golf cart path
- Racetrack infields and pit areas



Fire Engine Access

### Advantages

- Reduces erosion and soil migration
- Easily installed and removed
- Conform to uneven surfaces
- Does not hinder root and runner growth
- Stacking ability reduces storage and transport cost
- Supports Green Building certification

*Enhancing the Urban Experience*

# Technical Specification

Material	Recycled Polypropylene
Dimensions	500mm x 500mm
Height	35mm
Weight	~2.3 kg/m <sup>2</sup>
Compressive Strength (filled)	~2000 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

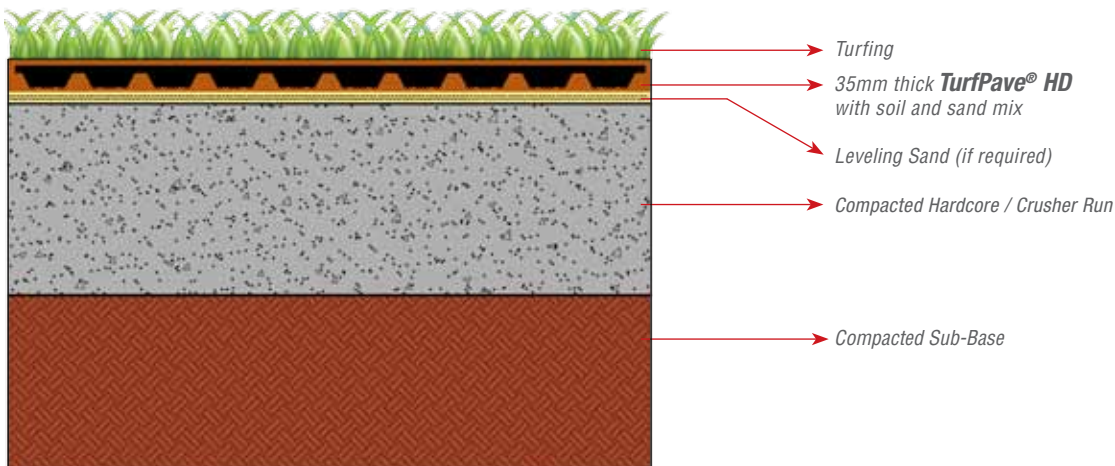


TurfPave® HD has been tested\* in accordance with ASTM D695-08 to withstand compressive exceeding **2000 t/m<sup>2</sup>** (4267psi) and exceeds typical load requirements of vehicles, namely:

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 / Container truck	up to 77 t/m <sup>2</sup> (110 psi)
SCDF CP 2002	80 t/m <sup>2</sup> (113 psi)

\* at Singapore Test Services Pte Ltd

## TurfPave® HD Build-Up



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

Singapore: (+65) 6356 2800

info@elmich.com

Singapore | Seattle | Sydney | Zurich | Guangzhou | Shanghai

