



TurfPave® HD

Grass & Gravel Paver

TurfPave® HD is used in the construction of grass or gravel 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.



TurfPave® HD is a structural module designed with sufficient depth to contain and stabilise grass or decorative gravel. 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. It can also be used to stabilise decorative gravel. 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).

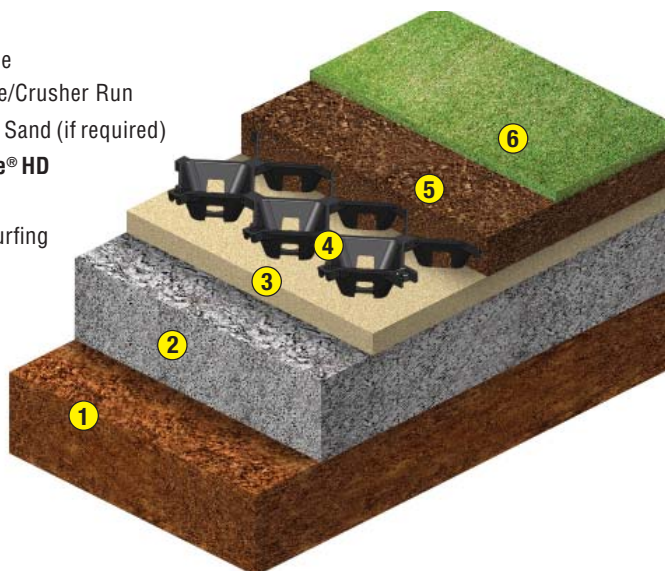


Fire Engine Access

Applicable Areas

- Pathways for light emergency vehicles
- Vehicle parking lots
- Golf buggy paths
- Street shoulder parking
- Equestrian dressage arenas and paths
- Mountain bike trails
- Drainage channels
- Gentle slopes and inclines

- 1 Sub-Base
- 2 Hardcore/Crusher Run
- 3 Leveling Sand (if required)
- 4 TurfPave® HD
- 5 Topsoil
- 6 Grass/Turfing



Specifications

Module Size	500mm L x 500mm W x 35mm H
Material	Recycled polypropylene
Colour	Black
Compressive Strength:	~3,000 t/m ² (filled)
Weight	~2.3 kg/m ²
Biological/Chemical Resistance	Unaffected by moulds and algae and good resistance to alkali and bitumen



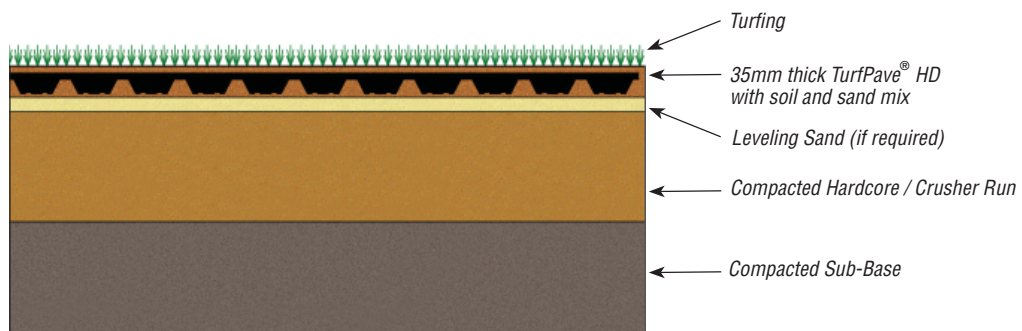
Advantages

- Reduces erosion and soil migration
- Permeable alternative to asphalt and concrete surfaces
- Reduces Urban Heat Island Effect
- Conforms to undulating surfaces
- Snap-on connectors ensure modules remain in place
- Enhances site appearance through restoration of vegetation
- Rapid installation with minimal installer training
- Stacking ability reduces storage and transport costs
- Made from 100% re-cycled materials
- Supports Green Building Certification

TurfPave® HD has been tested* in accordance with ASTM D695-08 to withstand compressive exceeding 3000 t/m² (4267psi) and exceeds typical load requirements of vehicles, namely:

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

* at Singapore Test Services Pte Ltd



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. Environmental-friendly recycled materials are used wherever possible and 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.

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