





TECHNICAL DATASHEET

TECHPAVE HD

Permanent grassed or gravel HGV access roads, HGV yards, fire access routes, coach parks and car parks where a structurally sound, well drained base is to be installed.

FREQUENCY OF USE	SUGGESTED APPLICATIONS
GRASS  Regular vehicular use	
GRAVEL  Frequent/intensive vehicular use	

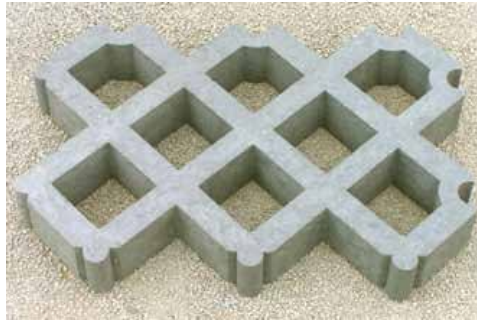


Manufactured from recycled plastic, TECHPAVE HD80 cellular paving is robust, durable and capable of withstanding all levels of traffic up to and including coaches, dustcarts and HGVs. TECHPAVE HD80'S cells can be filled with either grass seed/topsoil or gravel, making them suitable for stabilising areas where a grass or stone surface is desirable. TECHPAVE HD80 pavers are the economic, environmentally-friendly and lightweight alternative to concrete grass concrete-type pavers.



APPLICATIONS

- Lorry, coach and car parks
- Emergency fire access roads
- HGV service access roads
- Road widening
- Grass verges, including where HGV overrun occurs
- Footpaths
- Service yards and other areas where forklift trucks operate
- Lay-bys
- Loading areas



BENEFITS

- TECHPAVE HD80 comply with the HSE manual-handling limit (concrete units exceed this limit).
- TECHPAVE HD80 has tongue and groove interlocking for additional stability.
- Meets SLW60 load category-vehicles up to 60t gross weight, 10t wheel load.
- Flexible and resistant to cracking unlike concrete alternatives.
- Because of its insulating qualities, plastic achieves greatly improved volume and quality of grass compared to concrete units.
- High comprehensive strength
- Pavers do not transfer heat and dry out soil infill
- Harmless to plants and animals
- Environmentally friendly - manufactured from recycled plastics



REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close
 Martland Industrial Park
 Wigan
 Greater Manchester
 WN5 0LA

1. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing to current EN ISO standards
4. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
5. Installation details are available on request.



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INSTALLATION

TECHPAVE pavers should be installed onto a well-prepared, free-draining, firm and relatively-level stone sub-base (a reduced-fines Type 3 for example). As an option a Tensor Triax TX160 geogrid at the base of this layer will allow a reduction in the sub-base depth. The sub-base is overlaid with a geotextile filter/separator (e.g. TNW1100T) followed by 20mm of coarse sand as a bedding layer for the pavers.

Once laid, the paver cells can be filled with a free-draining angular stone (e.g. 10mm gravel) or a good quality friable top soil and grass seed at 30/40 g/m². The cells should not be overfilled so remove excess topsoil or stone from the surface. The topsoil settlement that will occur within the paver cells is desirable as this will allow grass growth without direct impact from traffic.

Perimeter pavers should be restrained using pinned timber sleepers or precast kerbs. The pavers can be cut with a hand saw or power cutter for fitting around obstructions. The whole area should be compacted with either a plate vibrator or a small roller. For large TECHPAVE installations with full edge restraint to all sides it may be advisable to allow for expansion due to fluctuations in temperature. Please contact our technical sales team for advice on this or any other issues relating to design and installation of the pavers.



TECHPAVE HD80 weighs only 9kg and is easy to handle and install



TECHPAVE HD80 interlocks with adjacent pavers



PRODUCT	DIMENSIONS (MM) [LxWxD]	WEIGHT (kg)	UNITS (m ²)	UNITS/PALLET	COLOUR
TECHPAVE HD80	600 X 400 X 80	9	4.17	80 NO (19.18/M ²)	GREY
TECHPAVE HD100	600 X 400 X 100	12	4.17	60 NO (14.39/M ²)	GREY

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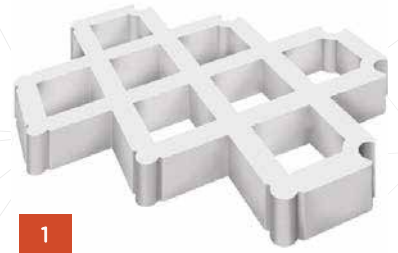
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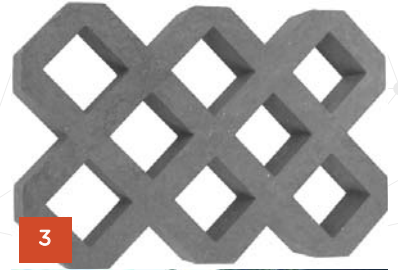
CHARACTERISTICS	TECHPAVE HD80	TECHPAVE HD100
LOAD-BEARING CAPACITY	CATEGORY SLW60 VEHICLES UP TO 60T GROSS WEIGHT	
CONNECTION TYPE	INTEGRAL TONGUE & GROOVE	BUTT JOINTED (NO CONNECTION)
DIMENSIONS	80MM X 400MM X 600MM	100MM X 400MM X 600MM
CELL WALL THICKNESS	40MM NOMINAL	
NOMINAL INTERNAL CELL DIMENSIONS	100MM X 100MM SQUARE	
% OPEN CELL	55	
QUANTITY PER M ²	4.17 PAVERS	
QUANTITY [M ²] PER PALLET	80 [19.18]	60 [14.39]
NOMINAL WEIGHT (KG) [KG/M ²]	9 [37.53]	12 [50.04]
POLYMER	RECYCLED POLYETHYLENE	
COLOUR	GREY (OTHER COLOURS AVAILABLE, SUBJECT TO QUANTITY)	
CHEMICAL RESISTANCE	EXCELLENT	
UV RESISTANCE	HIGH	
TOXICITY	NON TOXIC	



1



2



3



4



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