

# TECHNICAL DATASHEET

# TECHPAVE HD80

## PRODUCT DESCRIPTION

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 HGV's 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-type pavers.

## 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 Tensar 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/m<sup>2</sup>. 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.



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

CHARACTERISTICS	TECHPAVE HD80
LOAD-BEARING CAPACITY	CATEGORY SLW60 VEHICLES UP TO 60T GROSS WEIGHT (DIN/072)
CONNECTION TYPE	INTEGRAL TONGUE & GROOVE
DIMENSIONS	80MM X 400MM X 600MM
CELL WALL THICKNESS	40MM NOMINAL
NOMINAL INTERNAL CELL DIMENSIONS	100MM X 100MM SQUARE
% OPEN CELL	55
QUANTITY PER M <sup>2</sup>	4.17 PAVERS
QUANTITY [M <sup>2</sup> ] PER PALLET	80 [19.18]
NOMINAL WEIGHT (KG) [KG/M <sup>2</sup> ]	9 [37.53]
POLYMER	100% RECYCLED PLATIC
FINISH	COARSE
COLOUR	GREY (OTHER COLOURS AVAILABLE, SUBJECT TO QUANTITY)
CHEMICAL RESISTANCE	EXCELLENT
UV RESISTANCE	HIGH
TOXICITY	NON TOXIC

### REGISTERED OFFICE ADDRESS

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

