

### OVERVIEW

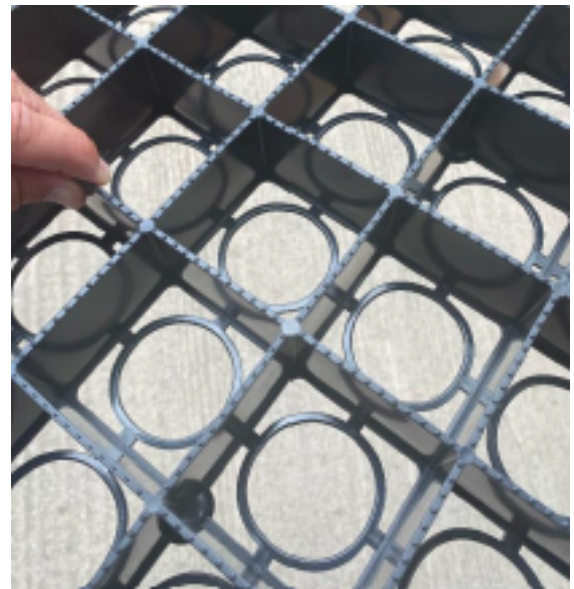
Interlocking cellular porous plastic paving grid system manufactured in the UK from 100% UV stabilised recycled mixed PP/PE.

### APPLICATIONS

With many successful project installations, CellPave EP50 is a SuDS compliant porous plastic paving grid system for ground reinforcement which can be installed with a grass or gravel filled surface.

#### Typical uses include:

- Commercial Car Parks and Public Areas
- Sustainable Urban Drainage Solution (SUDS) - source control



### FEATURES & BENEFITS

- A built-in anti-migration cell bottom lattice, specially designed to prevent downwards soil movement through vibration & vehicle traffic.
- Anti-soil movement ribs, to reduce soil migrating up & away even on sloped surfaces.
- Cell wall topped anti-slip nodules, giving added vehicle wheel grip & importantly pedestrian grip for shoes on the top surface.
- Each grid side has v-force male to female fixings to create a strong attachment for every grid to grid connection.
- The 7×7 rows of grid cells is the proven perfect grid formation in our opinion for ground reinforcement to be the most effective. To encase & compact the chosen infill soil / material.
- Infill with an angular gravel for maximum load bearing capacity within the range 5mm to 20mm.
- 95% permeable & complies with SuDS. Regulations (sustainable urban drainage regulations)
- Complies with the flood & water management act 2010.
- UV stable recycled injection moulded plastic.
- Compression tested to 400 tonnes/m on gravel filled load test rating.
- Suitable for domestic & industrial use & application.



### SPECIFICATION

#### UNIT PROPERTIES

<b>Material</b>	100% recycled and recyclable mixed PP/PE
<b>Colour</b>	Black
<b>Dimensions</b>	500mm x 500mm x 50mm
<b>Coverage</b>	4 units/SQM
<b>Internal Cell Size</b>	68mm x 68mm
<b>Structure</b>	Square cellular
<b>Cell Wall Thickness</b>	3.5 mm
<b>Weight</b>	5.5kg/m <sup>2</sup>
<b>Compressive Strength</b>	< 180 tonnes/m <sup>2</sup> empty grids < 400 tonnes/m <sup>2</sup> gravel filled grids (Lloyds British Compression Testing, Certified November 2022)

<b>Permeability</b>	95%
<b>Connection</b>	4 integrated v-force push-fit locks per side
<b>Temperature Stability</b>	-50 to +90C

### DURABILITY PROPERTIES

<b>Chemical resistance</b>	Excellent
<b>UV Resistance</b>	High
<b>Toxicity</b>	Non-toxic
<b>Slip Risk Resistance</b>	Anti-slip design to mean low risk
<b>Packaging &amp; Identification</b>	CellPave EP50 units are supplied on pallets and shrink wrapped for stability.
<b>Storage</b>	Can be stored externally but do not stack
<b>Units per Pack and Pallet Weight</b>	208 (52m <sup>2</sup> ) 280kgs
<b>Notes</b>	<p>When using recycled materials, it is difficult to maintain colour consistency between individual units and batches.</p> <p>Compression testing undertaken when units are filled with aggregate.</p> <p>Long term durability will also depend upon maintenance, pavement construction and the intensity &amp; frequency of traffic loading.</p>
<b>Additional Information</b>	Markers are available that can be used to delineate parking bays.