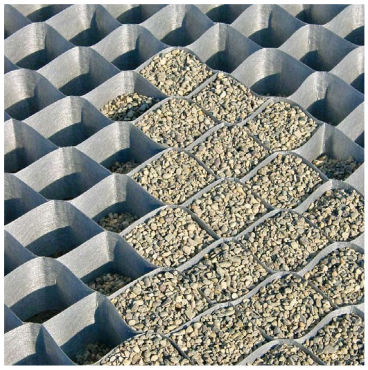
DuPont™ Ground Grid

A COST-EFFECTIVE POROUS PAVING SURFACE SOLUTION

Case Study – Domestic Driveway



Application:
Domestic Driveway
Area 150m²

Product:
110mm x 50mm
(110mm cell opening)

Infill:
25-35mm angular gravel

This domestic driveway had been laid with gravel previously, but over time the gravel had migrated into the ground, leaving the area uneven and during the winter wet and muddy.

The drive had to take occasional lorry traffic and was used daily by domestic vehicles for access and parking.

To relay the drive with DuPont™ Ground Grid, the ground was prepared first by removing approximately 65mm with a mechanical digger.

The grid once laid would butt up to existing edgings.

Once the top had been removed, the surface was evened up, removing any large stones which were left.

A wacker plate was then used to compact the area, which having been used as a driveway before, did not need to be strenghtened before laying the grid.

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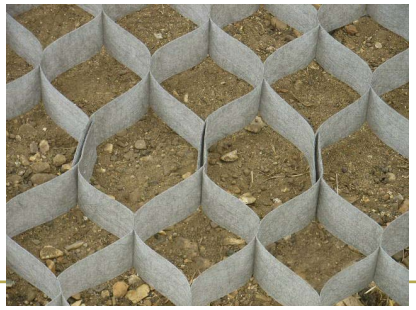
Two DuPont™ Ground Grids were laid side by side, with temporary pegging to hold the grid at one end for it to be extended.

The open edges were then stapled together, every cell, which created a full cell on the join.

Aggregate was placed by hand into the ends of the extended cell to hold it in place, and the temporary pegs were then removed.



A timber board was placed on one grid, to ensure that it was in full contact with the ground before the aggregate fill was applied.

The aggregate was poured onto the grid manually, using a wheel-barrow, then raked in to fill the cells. The timber board was moved forward on the grid to continue the fill of the complete grid.

One the grid cells had been filled to the top, the surface was stable enough to walk on to fill the rest of the grid, moving forward.

As the grids were filled, the next grid was laid and stapled.

Once the whole area had been completed, a surcharge of the aggregate was applied, completely covering the grid to a level of approximately

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