Product Specification Sheet
A.G.A. GeoCell

A.G.A. GeoCell is a cellular matrix of interconnecting polymer strips that form pockets to locate and strengthen fill material.

The polymer strips confine the filling material, providing tensile strength which is very effective at increasing the shear resistance and cohesion of the fill.

Applications

◘ Revetments
◘ Access roads
◘ Basal reinforcement
◘ Sand dune stabilisation
◘ Ornamental pond construction
◘ Protection and vegetation over spoil tips
◘ The base for block paving under heavy loading
◘ Reinforcing grass surfaces for access roads, car parks, fire access and more

Ground stabilisation grid is also a fantastic solution for areas where trees are at risk and need temporary or permanent protection, especially where Tree Protection Orders may be in force.

This information is for reference purposes only and is not intended as a warranty or guarantee.

Product construction

Sheet thickness	● 1.00 mm ±10% tested per ASTM D5199
Drainage perforations	● Horizontal rows of 10mm diameter holes ● Perforations within each row shall be 19mm on-centre ● Horizontal rows shall be staggered and separated 12mm relative to the centres ● Outer perforation centres shall be at least 6mm from the strip edges
Total open area	● 16% (±10%) of the cell wall area
Environmental Stress Crack Resistance (ESCR)	● >5000 hour tested per ASTM D1693
Cell seam strength	● 2100 N for the 100mm depth cell ● Uniform over the full depth of the cell ● Short-term peel strength shall be tested per PRS PTM 0313
Seam Strength Hang Test	● A 100mm wide seam sample shall support a 72.5 kg load for a period of 30 days minimum in a temperature-controlled environment

Panel depth	Panel length	Panel width
100mm / 150mm / 200mm / 400mm	8m (40 cells)	2.5m (10 cells)

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