

A.G.A. Geo-Grids

Soil reinforcement for steep earth slopes, retaining walls and the stabilisation of weak ground.

A.G.A. Geo-Grids create a reinforcing function by supporting the penetration of soil/rock particles or other geotechnical materials through the grids apertures by interlocking the particles.

Geo-Grids are used in layers with suitable fill to create a stiff mechanically stabilised layer within the soil, vastly improving its load bearing capacity.

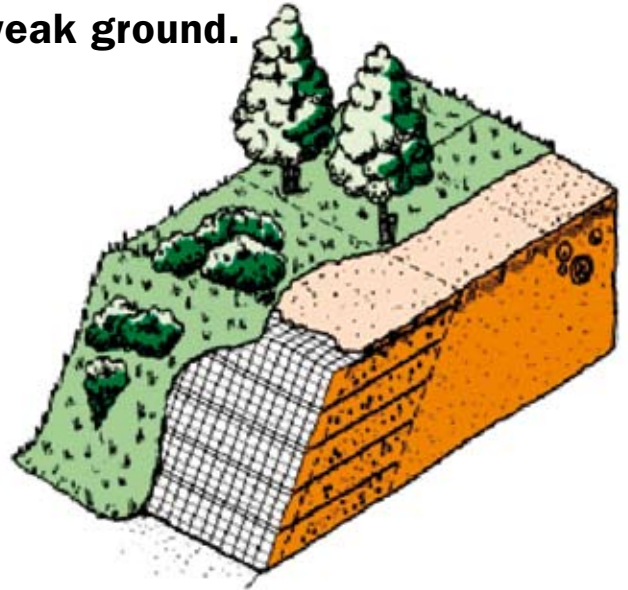
Geo-Grids are used both for reinforcement of non-cohesive, cohesive soils and formations made of coarse-grained materials.

Geo-Grid reinforced steep slopes and embankments cost significantly less than conventional concrete or gabions retaining structures.

A.G.A. Geo-Grids used for soil reinforcement can accommodate very high loads.

Benefits:

- **High tensile strength at low elongation**
- **Very low strain at maximum load**
- **High resistance to chemicals in soils**
- **High level of microbiological resistance**
- **Excellent resistance to damage during installation**
- **Optimal interlocking with coarse grained soils**
- **High pull-out resistance**
- **Low values of creep ensure long term stability**
- **Increased stability of embankments**
- **Reduces volume of earthworks**
- **Preserve natural appearance of slopes**
- **Easy construction even in wintertime**
- **Cuts the construction costs and time**



Typical applications:

- **The stabilisation of steep river and reservoir banks**
- **Vegetated retaining walls**
- **Reinforcing embankments of road, car parks, railways**
- **Permanent, short term, temporary or emergency vehicle parking**
- **Embankments constructed on piles**
- **Reinforcement of fillings and soils on construction sites**
- **Landslip repairs**
- **The construction of noise barriers and bunds**
- **Reinforcement of unstable foundations**



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CONCEPT TO COMPLETION

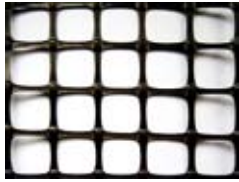
A G A G E O - G R I D S

Vegetation is often an integral part of the design where geogrids are used, where required our consultants will always advise on suitable planting methods and species.

A.G.A. Geo-Grids are available in strengths from 20kN/m to 350kN/m.

Bi-axial grids offer strength in both directions.

Uni-axial grids provide the principal strength in one direction.



Where required our supplier can design and manufacture geogrids produced to higher strengths to suit a

client's own specification.

A.G.A. Geo-Grids are easy to transport by lorry or container and rolls can usually be taken to site by most on site handling machinery.

The A.G.A. Group can offer guidance and data on:

- Storage
- Site preparation
- Construction methods
- Installation
- Planting / sowing

PRODUCT RANGE INFORMATION

We provide individual information sheets for each product grade covering:

- Product specification and properties
- Dimensions
- Technical data sheet
- Roll sizes
- Laying and installation guide.



Permanent, short term, temporary or emergency vehicle parking.



The A.G.A. Group installation teams operate solely within the field of aquatic and bioengineering. We operate a policy of 'Best Practice' and are bound by the Code of Conduct of both the Institute of Fisheries Management and the Society of Biology. The A.G.A. Group will quote for the supply of materials, their installation or for 'turnkey' projects.

The A.G.A. Group is validated by the nationally recognised SAFE CONTRACTORS SCHEME

Quality assured to: ISO 9001 : 2008 and ISO 14001 : 2004



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