

GEO PRODUCTS, LLC

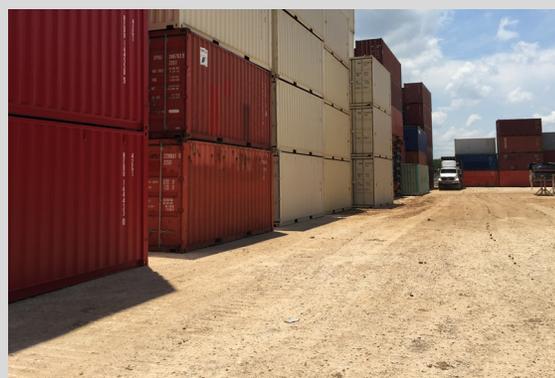
MANUFACTURER OF ENVIROGRID® SINCE 1990

EnviroGrid® makes it possible to construct sustainable roads over soft soils. By boosting the weight bearing ability of the rolling course, geocell helps prevent rutting and erosion in high-traffic areas. The amount of infill material is reduced and also allows for locally available aggregate, with less maintenance required over time.



ACCESS/HAUL ROADS | RIG PADS | EQUIPMENT YARDS | SLOPE/CHANNEL EROSION

ENVIROGRID® SERVES MANY BENEFITS TO THE MATERIAL IT CONFINES, CREATING A SOLUTION FOR CIVIL CONSTRUCTION APPLICATIONS.



MANAGE DRAINAGE
SUB-GRADE IMPROVEMENT

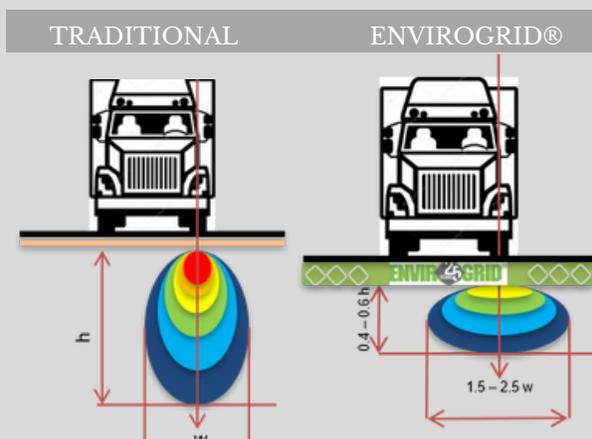
MAXIMIZE STABILITY
LOAD SUPPORT

LOWER MAINTENANCE
INFILL STABILITY

HOW IT WORKS ENVIROGRID® GEOCELL

EnviroGrid® geocell uses cellular confinement technology to expand the weight of the load laterally. Through confining infill within its interconnected cells, product testing has shown an over 50% reduction in sub-base pressure.

Large-scale field testing of EnviroGrid® products were conducted by a third-party lab. Throughout a series of cyclical load plate tests under various pressures, EnviroGrid® has been tested to verify its true field performance in addition to its lab performance.



INTERNAL CAPABILITIES DESIGN & ENGINEERING SUPPORT

- Specification Generator Tool
- Installation Support
- Design Calculators
- Specific Cad Details
- Case Studies/Pictures/Videos

www.geoproducts.org/technical-design

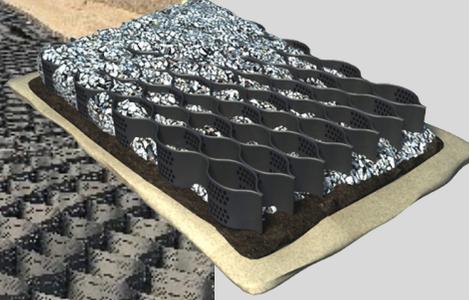


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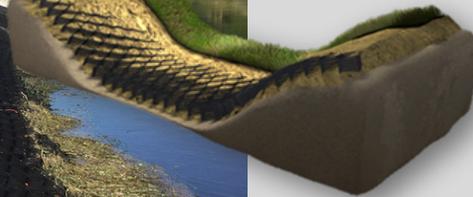
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BASE STABILIZATION



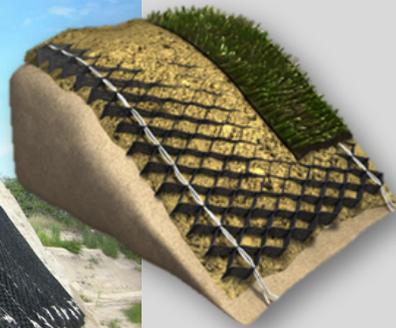
The expanded panels act as a large mat, distributing applied loads over an extended area. The three-dimensional cells increase strength and stiffness of the infill, which boosts their weight-bearing capabilities and allows for the use of permeable aggregates.

CHANNEL PROTECTION



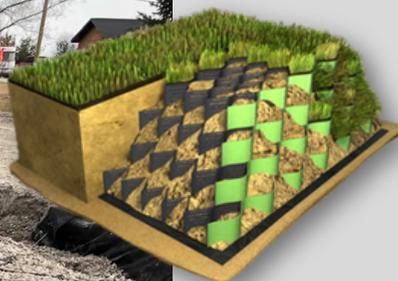
EnviroGrid® is successful at protecting channels by counteracting various flow velocities. It can be laid directly on the slope and properly anchored. Based on the channel characteristics, EnviroGrid® can be filled with angular rock, vegetated soil, or concrete. Geo Products offers the needed anchoring for the system's integrity.

SLOPE EROSION CONTROL



EnviroGrid® placed on slopes will hold infill material in place. The cell walls slow the flow of water down the slope or in areas affected by wave action, reducing the formation of rills, a major cause of soil erosion. Depending on the site specific application, EnviroGrid® can be filled with angular rock, concrete or native soils.

RETAINING WALLS



In very steep slope applications, soils can be retained with a vertical wall structure. Filled with local soils, EnviroGrid® can be used in both cut and fill situations by holding the soil in place and providing drainage throughout the structure. The outer cells are able to be vegetated, providing an aesthetically pleasing look.