

Base Stabilization

INTRODUCTION

Geocells were invented in the early 80's and patented by the United States Army Corps of Engineers. The early use of the technology was for the construction of roads over soft soils for military use. Today, the BaseLok™ GeoCell is used for base stabilization, erosion control of slopes and channels as well as in construction of retaining walls.

The BaseLok™ GeoCell is made from high density polyethylene (HDPE) and manufactured in the USA. HDPE has been used for the most demanding industrial products since 1955.

BaseLok™ GeoCells also dramatically increase the shear resistance of infill materials, allowing the use of lower quality infill materials to carry the loads.

The BaseLok™ Geocell panels are light weight and can be deployed and installed by a five man crew. The most common BaseLok™ GeoCell for this application is our GC30. With a panel expansion of 17.85' x 27.4' (489 SF). 25,000 SF can be installed per day and ready for immediate use. Custom lengths available.



APPLICATIONS

- Haul roads
- Rig pads
- Laydown yards
- Pipe yards
- Parking Lots
- Railyards

KEYPOINTS

- **Complete design review.**
- **Use of less expensive granular non cohesive materials. These are sometimes found on site and would not need to be trucked to the project.**
- **On site installation assistance.**
- **Value engineered designs that are project specific and reviewed by experienced professional geotechnical engineers.**
- **Construction possible on soils with CBR's less than 1.**
- **Maintenance cost reduction 25% +**
- **Decrease maintenance of heavy equipment by providing a stable working surface.**
- **Geocell confinement allows for the reduction of the base layer.**
- **Reduction of typical excavation depth.**
- **Immediate access to areas once BaseLok™ GeoCells are filled. No wait or set time.**

TEAM SUPPORT

- 39 years as a leader in the Geosynthetic Industry
- 25 years of experience with geocells
- Design assistance
- Complete project evaluation
- Project specific value engineered designs reviewed by professional geotechnical engineers
- On site installation and site assessment assistance

BENEFITS

- 100% manufactured in the USA
- Complete installation accessories
- Meets or exceeds industry standards





➤ **BaseLok™ GeoCell is a confinement system that performs better than conventional crushed stone sections, and it provides an expedient construction technique for access roads over soft ground without being adversely affected by wet weather conditions.**

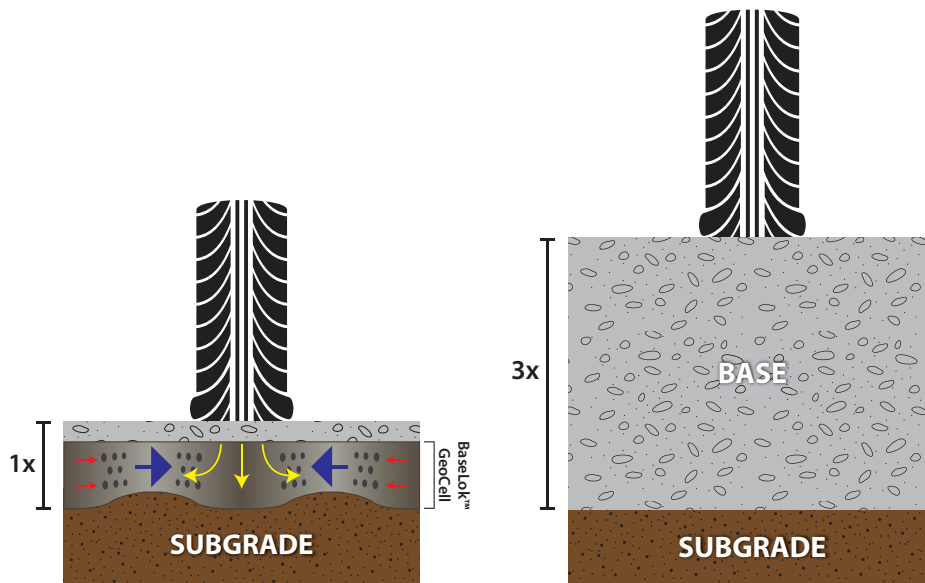
CUSTOMIZATION



- BaseLok™ GeoCell panels can be manufactured to cover the width of the road or area to be stabilized. Evaluation of the soil conditions and traffic and equipment requirements will determine appropriate cell depth for the application. BaseLok™ GeoCell can be manufactured with depths of 4", 5", 6" or 8" to meet specific project needs.

Our BaseLok™ GeoCell panels are double the expanded size of any material in the industry.

The increased size reduces field joints by 64% and increases installation rates by more than 40%.



EXPERT TECHNICAL SUPPORT

- The superior effectiveness of GeoCell is made even better thanks to our BaseLok™ team's proficiency and technical support. We believe a solution is more than just a product we manufacture or sell; you deserve an attentive and knowledgeable team of professionals working alongside you every step of the way. Our experienced engineers and sales team are fully equipped to cater to your every need, no matter the project.



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BASELOK™ GEOCELL may change product specifications without notice. The **BASELOK™ GEOCELL** system is suitable for use in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of **BASELOK™ GEOCELL** units to assure proper design. ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. **BASELOK™** is a trademark of Industrial Fabrics, Inc.