

PRESTO



GEOTERRA™

Structural Mat System



Durable, Portable and Reusable Surface-Hardening Mat

GEOTERRA™ STRUCTURAL MAT SYSTEM

The GEOTERRA™ System is a durable, portable and reusable surface-hardening structural mat system. The system is ideal as a ground reinforcement layer to support loads over soft subgrades or for creating reinforced pavements in less-than-ideal environments.



More cost-efficient than other reinforcement mat systems, the GEOTERRA™ system can be utilized for either temporary or permanent applications.



Individual GEOTERRA™ units are locked together to form a network of interconnected structural mats suitable for supporting a wide variety of equipment and vehicle loads on access roads, platforms, or other load-bearing applications.

GEOTERRA™ SYSTEM ATTRIBUTES



PORTABLE & REUSABLE

Significantly lighter weight than other systems, the GEOTERRA structural mat system is easily transported to even difficult-access sites and handled without special unloading equipment. The system can be disassembled and removed/reused at other locations.

FLEXIBLE DESIGN & CONSTRUCTION

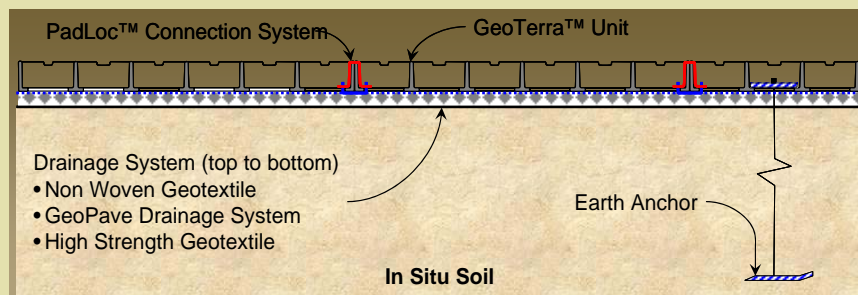
Site conditions can be evaluated by Presto Geosystems' technical team and a design and construction solution created with the most effective combination of separation, filtering, drainage and surface wearing components to accommodate unique site requirements.

HIGH-STRUCTURAL STRENGTH

The GEOTERRA™ system is designed to support vehicle loads over soft subgrades as well as in areas where structural infill materials are unavailable or cost-prohibitive. The system's flexibility allows its use with varying and challenging site-specific subgrade conditions and loading requirements.

INTEGRAL SYSTEM COMPONENTS

The GEOTERRA™ system includes the GEOTERRA™ units and Padloc™ connecting device. Depending on the design requirements, the system may also include the following components: non-woven and high-strength geotextile layers, impermeable geomembrane layer, earth anchors, and GeoPave™ permeable drainage system.



TYPICAL APPLICATIONS

- Temporary or Permanent Use
- Access Roads over Soft Ground / Remote Locations
- Oil-drilling Platforms
- Cemetery and Utility Access over Lawns
- Light-to-Heavy Equipment / Vehicle Storage
- Helipads
- Equipment / Vehicle Display at Expos and Events
- Emergency Site Access



GEOTERRA™ SYSTEM UNIQUE FEATURES

- The GEOTERRA™ system features the PadLoc™ locking mechanism, a unique connection device that can be unlocked to allow removal and/or reuse of the GEOTERRA mats.
- The GEOTERRA system's open-cell design reduces unit weight, beneficial for transporting multiple units by helicopter to remote locations. GEOTERRA units can be pre-assembled into partial mats for transportation and installation efficiency.
- Flexible design options allow the complete GEOTERRA system to accommodate the most-challenging site conditions. System components can be varied to meet special site requirements.
- Versatile components allow for customizing construction layout configuration to fit site needs with no waste.
- The polyethylene material will not degrade, is inert to chemicals and can be removed and cleaned for reuse and/or storage.



PadLoc™
Connection Device

Conventional timber-based systems are high impact on the envi-



GEOTERRA™ System is low impact on the environment.

GEOTERRA™ System ENVIRONMENTAL BENEFITS

- GEOTERRA™ units are manufactured from up to 97% recycled polyethylene.
- With open top and bottom cells, the permeable GEOTERRA™ wearing structure allows rain water to infiltrate the system. When an underlying drainage layer is part of the system, rainwater is captured and managed below surface, minimizing the accumulation of water and resulting saturated soils below the loading surface.
- In remote forest areas, utilizing the GEOTERRA mat system instead of traditional timber-based systems and methods preserves the use of hundreds of acres of timber.
- The GEOTERRA mat system may be removed from sites, allowing total reclamation of an area after use. Depending on application and use, the mat system may be reused multiple times, conserving use of raw materials and eliminating waste.



GEOSYSTEMS

PRESTO GEOSYSTEMS

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