smart earth solutions

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Construction Mats

- Strong, Light-Weight HDPE Mats
- Installed without Heavy Equipment
- Economical Alternative to Timber / Heavy HDPE Mats
Benefits of Confinement:

- Reduction of Aggregate Cross-Section *(average 70-85%).*
- **Controls Lateral & Vertical Infill Movement** which Prevents Shearing.
- Creates a Stiff Base with **High Flexural Strength**
Construction Mats

* The Right Mat at the Right Price.
* 40-70% Less Expensive than Heavier Mat Systems.

**GEOTERRA GTO**
Bolt Connection

**GEOTERRA**
Padloc Connection

**GEORUNNER**
Landscape & Flow Mat
Traditional Solutions
GEOTERRA GTO Mats

The Fast Mat System.

Bolt connection for fast assembly.
High Weight-to-Strength Ratio

- High crush strength: up to 550 psi | 3,790 kPa
  up to 5 times H-20 loading.
Excellent Load Distribution Features

- Bottom cross hatch (snow shoe effect).
- Large load-spreading tabs between units.
- Double cell wall “picture frame”.

Material contains privileged and confidential information
**Light-Weight Structure**

- Advantageous for handling, mobilizing and installing.
- No heavy equipment needed.

**Design Flexibility**

- Right-sized for the project
- Installs to any site configuration
Temporary Access vs. Aggregate

- Eliminates hauling of aggregate in/out (strength = 12 inches aggregate).
- Minimizes post-site lawn repair.
Protects Turf for Site Access

- Quick In/Out - minimizes rutting and mud tracking.
Ease of Transportation

- Even to remote locations.
- Handled without special equipment.
Durability - Made from PE

- Inert to all weather and soil conditions
GEOTERRA Applications

Site Access
- Over soft ground
- Bridging between solid surfaces
- Rail line repair
Site Access

- Transmission lines, utilities, pipelines, wind power generation, mining
Protection of Environmentally-Sensitive Sites

- Open design allows infiltration, revegetation.
- DNR, DEP, and EPA friendly – low carbon footprint.
Tracking Pads

- Efficient alternative to aggregate pads.
Turf Protection & Solid Work Surfaces

- Access over lawns
- Job trailer container surface, equipment storage

GEOTERRA Applications
GEOTERRA & GTO Mats

SUMMARY

- Extremely economical alternative to timber / heavy HDPE mats
- Strong, yet lightweight and easy to handle
- Installs without heavy equipment – Easy In, Easy Out
- Low life cycle cost – may disassemble and reuse several times.
- PE inert to environment, weather-won’t degrade
- Complimentary with underlayment materials: Mats can be modified to meet project demands (separation, drainage)