GEOTERRA® GTO
HDPE Construction Mats

GEOTERRA® GTO construction mats are a low environmental impact alternative to timber and heavy composite mats for temporary or permanent platforms/pads and access roads.

- Lower transportation emissions to bring in and place lightweight mats compared to 12 inches of aggregate.
- Less production & lower transportation emissions compared to heavy HDPE mats—3 lbs/sf compared to 10-12 lbs/sf.
- No heavy equipment to deploy or install reduces emissions.

Sustainable Environmental Contributions

The benefits of using GEOTERRA® GTO mats for sustainable, green building initiatives including Low Impact Development (LID) and Green Infrastructure (GI) are noted below.

Energy Use
- Strength equivalent to 12 inches of aggregate—without mining of resources.
- Strong and efficient design uses less polymer material than heavier composite mats.
- Lower environmental impact compared to timber mats—reduces clear cutting.

Resource Savings
- Allow access without destroying vegetation.
- Land is minimally impacted by the open-celled mats—allows water and sunlight to permeate and revegetate where feasible.
- Reduces site damage for access.

Land Use
- Permeable wearing surface allows rain water to infiltrate.
- Open structure compatible with underlying drainage layer to capture and manage rainwater below the surface.

Water Benefit

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Helpful Resource Links
GEOTERRA® GTO Overview >> Compare Construction Mat Options >> Interactive Construction Mat Design Assistant >>