

GREEN SHEET

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.

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

- ◆ Lower transportation emissions to bring in and place light-weight 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.



Resource Savings

- ◆ 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.



Land Use

- ◆ 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.



Water Benefit

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

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Learn More About
GEOTERRA® GTO Mats



Helpful Resource Links

[GEOTERRA® GTO Overview >>](#) [Compare Construction Mat Options >>](#)

[Interactive Construction Mat Design Assistant >>](#)