

Introduction

Typar Geocells is a stable, self supporting, three dimensional geotextile in a honeycomb cellular structure designed for rapid deployment and quick filling.

Typar Geocells offers incredibly quick set-up in comparison to sandbags and other traditional flood control techniques. The cellular system is made of a strong geotextile material. Once expanded, which is fast and easy, simply fill up the honeycomb “cells” with sand, rocks or another suitable ballast material to provide structural support. In minutes, you have a strong stabilization device that functions as a cohesive singular structure, as opposed to separate sandbag units that are more susceptible to structural failure.

STEP 1 - PREPARATION

Set-up aluminum frame. This is used to keep the Typar Geocells temporarily open during the fill process.



STEP 2 - FILLING

In this instance, the Geocells were filled with sand.



STEP 3 - ASSEMBLY

To increase the length of the structure, two Typar Geocells were joined using a watertight joint



STEP 4 - COMPACTING

Compacting can be done by simply walking on the surface or a mechanical compactor can also be used.



STEP 5 - DISMANTLING

The forklift was positioned under Typar Geocells cells. It was then lifted slowly to allow the sand to escape.



Please Note: if the Typar Geocells cells are damaged during the dismantling process, they can easily be repaired using the "repair kit" that is available.

CONVENIENCE

Typar Geocells Roll



Palletized Typar Geocells



PERFORMANCE

Using just three people and one front-end loader, the fill rate is equivalent to 528 bags per man-hour.

The honeycomb design allows the system to be filled rapidly, then stacked to a height of 44". A 100' wall length at 44" high is the equivalent to 6,600 sand bags.

Typar Geocells offers many advantages over sandbags:

- Easy to install - designed for quick placement and filling.
- Works anywhere - easy to set up, even on an incline.
- Durable - singular and sturdy, honeycomb design expands on site.
- Easy to transport - ships compact to remote areas, lightweight and portable.
- Requires less manpower - uses less volunteers, while protecting more ground faster.

Constructed from time-proven Typar fabric, the cells contour to the land and hold infill materials in place, preventing mass movements of infill down a slope. And, when sand is used as a filler, the density reduces seepage through the system. Damage is rare, but if found during routine inspections, patching, reinforcement or replacement is easy.

SPECIAL THANKS

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