Cellular Confinement Systems

Cellular Confinement System

Physical Properties	Units	TYPAR GEOCELL		TYPAR GEOCELL GS	
		DT1	DC2	250/150	350/150
Cell Diameter	in	24	20	10	14
Cell Depth	in	20	20	6	6
Panel Length	in	194	197	197	197
Panel Width	in	24.0	54.0	275	275
Panel Coverage Area	ft^2	32	73	376	376
Panel Volume	ft^3	52	96	200	205
Cells in Length	No.	8	8	34	24
Cell in Width	No.	1	2	29	20
Color		Tan	Tan	Dark Grey	Dark Grey
Panel Weight	lbs	9.5	15	55	37
Panels Per Pallet	No	70	44	10	10

A. Stabilize Soil, Control Floods
B. Control Erosion and Sediment

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TYPAR
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GEOCELLS™
GEOCELL GS™

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Cellular Confinement System

TYPAR GEOCELL and GEOCELL GS panels utilize the strength and permeability of geotextile fabric to create a three dimensional confinement system. The cellular design allows for custom sizes, configuration and adaptability to a variety of terrains. The hydraulic properties are influenced by the type and compaction of the fill material.

Folded into an accordion shape for easy transportation and construction, A TYPAR GEOCELL panel is expanded on site and filled with a ballast material such as sand, stones, all soil types, mulch or other material; it can offer an excellent environment for re-vegetation. The TYPAR GEOCELL system functions as a single unit, and panels can be interlocked without complicated joints. Built into self-supporting higher walls by stacking one unit on another filled unit in a vertical or setback fashion, the resulting barrier is stable, strong and durable.

- Cost efficient and project effective
- Lightweight, durable and easy to install
- UV stabilized for two years, longer if covered
- Patch, reinforce or replace for easy repair
- Available in multiple sizes

TYPAR GEOCELL

TYPAR GEOCELL panels are available in varying widths for effective project design. Capable of withstanding rugged terrain and conditions, the 20" high units can be stacked to create self-supporting walls and filled with sand, stone, mulch or other materials.

Flood and Water Control

TYPAR GEOCELLS panels can be brought in by hand, on equipment or dropped from helicopters in emergency situations. The cellular system is quicker to fill than sandbags, offering effective flood control in a narrow footprint. The system has the strength and durability to last and is easy to remove once the flood threat has passed.

- Rapid Flood Control Barrier
- Levee Construction, Raising & Repair

Construction Erosion and Sediment Control

TYPAR GEOCELL panels provide superior sediment control for stormwater runoff. The cells offer excellent structural strength and durability, while the permeable material allows water to filter through blocking the vast majority of fill material and soil particles. The easy-to-construct TYPAR GEOCELLS system is well suited for irregular terrain, such as slopes, to reduce erosion and promote vegetation.

- Mudslide/Debris Flow Barrier
- Erosion Control for Slopes and Channels
- Sediment Pond Berms and Check Dams
- Mulch Berm and Sediment Trap Filter Berm
- Silt Screen and Dewatering Filter

TYPAR GEOCELL GS

Low profile TYPAR GEOCELL GS panels provide the stability needed for slope protection, channel reinforcement and load support. The panels are easy to install and can be filled with a variety of infill materials, including native soils and recycled aggregate, to reduce waste material and overall construction costs.

Slope Protection

The cellular structure of the TYPAR GEOCELL GS sytem improves resistance to erosive forces on steep, unstable slopes exposed to severe hydraulic or mechanical depths.

- Channel and Stream Banks
- Earth Retention, Slopes and Steep Embankments
- Landfills & Mining

Load Support

When used to for stabilization, TYPAR GEOCELL GS transfers downward forces, laterally, reducing loads on underlying soils.

- Highways
- Base Reduction
- Improved Access of Poor Soils