

CeTeau Geo Cell, Cellular Confinement Solutions





CeTeau stands for advanced ground improvement technologies and specialized geosynthetic environmental techniques. With more than 15 years of worldwide experience in numerous projects, CeTeau is ready to execute your project according to the highest expectation.

CeTeau manufactures and installs a complete line of geosynthetics; geotextiles, geomembranes, geogrids, High Density Poly Ethylene Liners, Geosynthetic Clay Liners, silt protectors, gabions, flood walls, vinyl sheet piles and many more solutions.

All these products are approved according the latest standards, so they can exceed the lifespan of your projects.



CeTeau





CeTeau Geo Cell

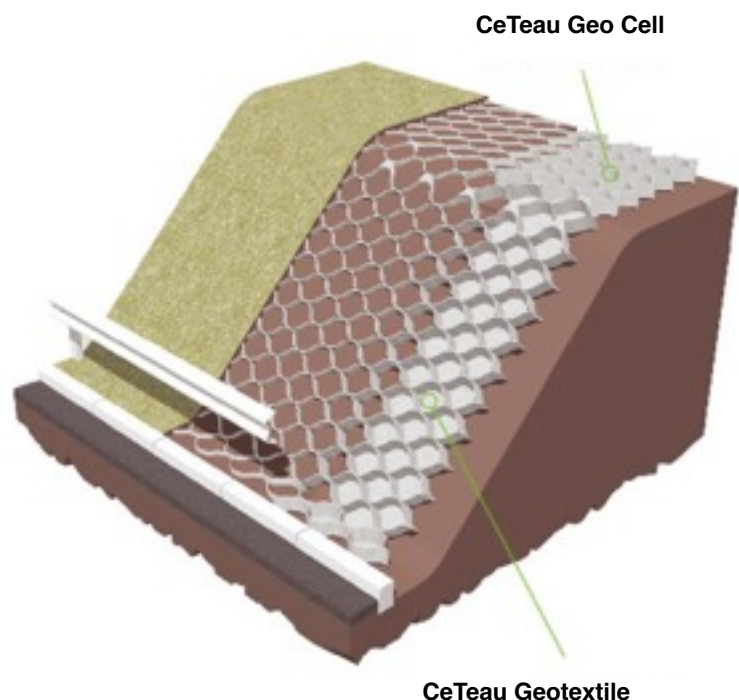
Geocell is a cellular three-dimensional high density polyethylene honeycomb structure designed to physically confine infill material, this way the infill material is protected from migration due to hydraulic flows.

CeTeau cell provides excellent protection for slopes against erosion control, stabilizes base material for load bearing purposes, reducing fill thickness and channel protection. Within Civil Engineering applications confinement with cellular systems (prevention of horizontal movement) substantially improves the material shear strength and improves bearing capacity. This is ideal for improving the performance of access roads, hard standings etc. Alternatively, the cells can be stacked in order to construct steep slopes or walls.

Applications

Eco friendly cellular confinement solution for:

- Earth retention
- Slope protection
- Channels protection
- Load support

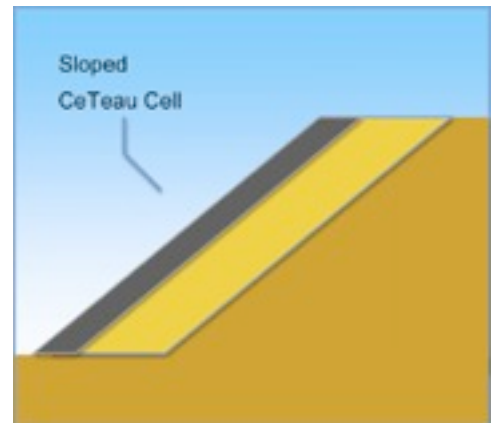


Slope stabilization

Sloped Geo Cells

Sloped geocells form an excellent erosion protection for medium steep slopes. Depending on the soil conditions steel J pins can be used to reinforce the system.

Different types of infill materials can be used from soil to aggregate to concrete depending on the requirements.

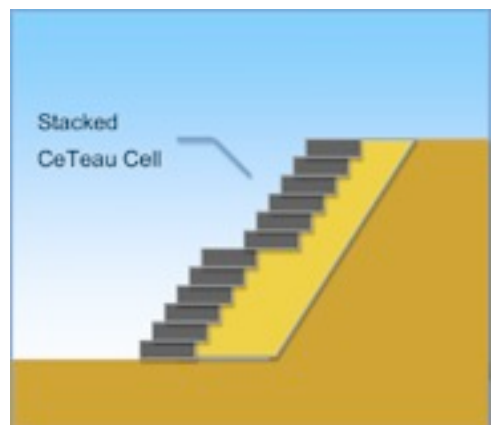


Stacked Geo Cells

Stacked geocells provide a higher structural integrity than sloped geocell allowing the construction of higher and steeper slopes.

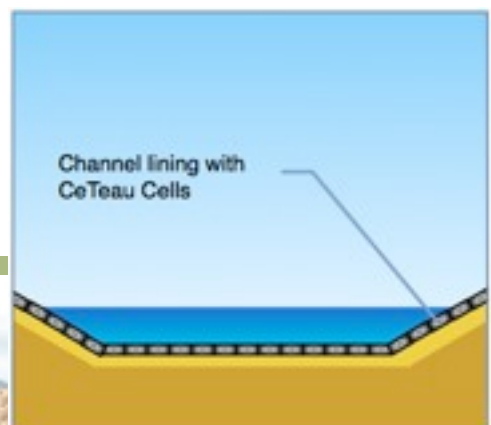
The cell can be combined with CeTeau geogrid in order to increase the stability of the wall further.

The cell can be filled with soil and planted, therefore it is a very green solution to steep slopes.



Geo Cells Channel Protection

CeTeau cells provide a wide variety of protection for open channels and hydraulic structures. The system is ideal for channels exposed to severe erosion as well as channels with continuous high water flow.



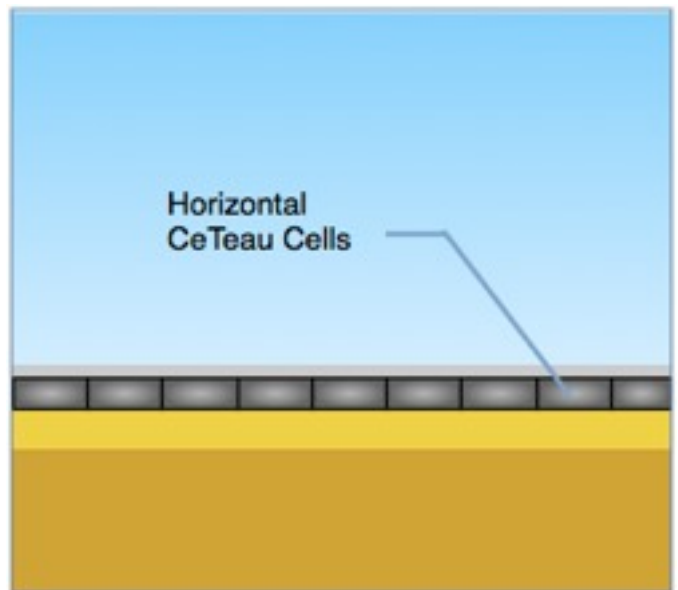


Load support

Horizontal Geo Cells

Unpaved areas, such as access roads, paths, parking lots, driveways, etc can be highly vulnerable to near-surface shear failure and rutting, especially in moist conditions or areas with higher expected loads.

The high-strength cell walls maintain the shape and integrity of the structure, allowing for heavy equivalent axle loads without fear of lateral movement of the fill material. The cellular design of Ceteau cells also distributes the loads to an extended area, thus reducing the stress to the ground.





Geosynthetic Solutions

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