

## CeTeau Geosynthetic Clay Liner (GCL)





## CeTeau

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 GCLs

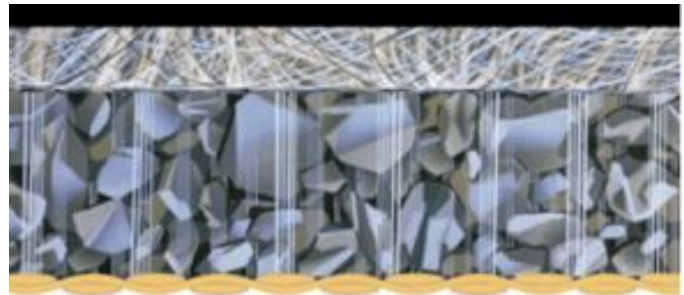
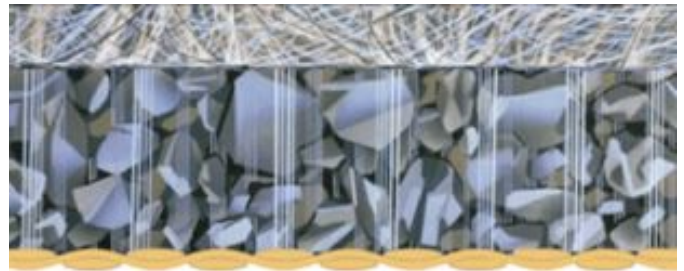
Geosynthetic clay liners (GCLs) combine geosynthetics with sodium bentonite clay to form a highly impermeable barrier that replaces thick layers of expensive compacted clay.

CeTeau GCLs are built up of high grade sodium bentonite sandwiched between two layers of geotextile, engineered for a variety of lining applications. CeTeau GCL-H is built up of sodium bentonite between a non-woven and woven geotextile and has an additional layer of HDPE.

GCLs provide an excellent alternative to conventional Compacted Clay by replacing a thick section of compacted clay with a thin layer of pure sodium bentonite.

### Applications

- Landfills
- Mining Facilities
- Power Utilities
- Stormwater Basins
- Wetlands
- Canals
- Secondary Containment
- Wastewater Lagoons
- Agricultural Operations
- Engineered Remedial Barriers



## Environmental Liner Solution

We offer a full range of engineered environmental geosynthetic clay liners, pond liners and bentonite soil sealants.

In addition to offering high quality products, CeTeau provides unparalleled engineering support. Our technical staff is expertly trained in specification review and can offer testing or design assistance.

CeTeau GCLs contain sodium bentonite, which is a naturally occurring clay with a high affinity for water. When hydrated, sodium bentonite swells up to 15 times its original volume. This provides the ability to seal around penetrations, self-heal punctures, and self-seam at the overlaps.

CeTeau GCLs feature granular bentonite, which creates less dust during installation than powdered bentonite and is less likely to shift through the needlepunch reinforcement, thus providing consistent hydraulic performance.



- Bentonite swells to seal overlapping seams
- Tolerates differential settlement
- Seams designed to slip to relieve stress preventing product from tearing



## Lagoons




CeTeau GCLs outperform any other lining solution for architectural lagoons.

- Very cost effective compared with other lining materials
- Easy installation
- Self healing capacity
- Very flexible to form curves and roundings
- Easy to make pipe connections
- Seldom has leakage problem





**Advanced Geosynthetic Solutions**



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