

VersaCap®

**A COST-EFFECTIVE, INTERMEDIATE EROSION SOLUTION
for Landfills**

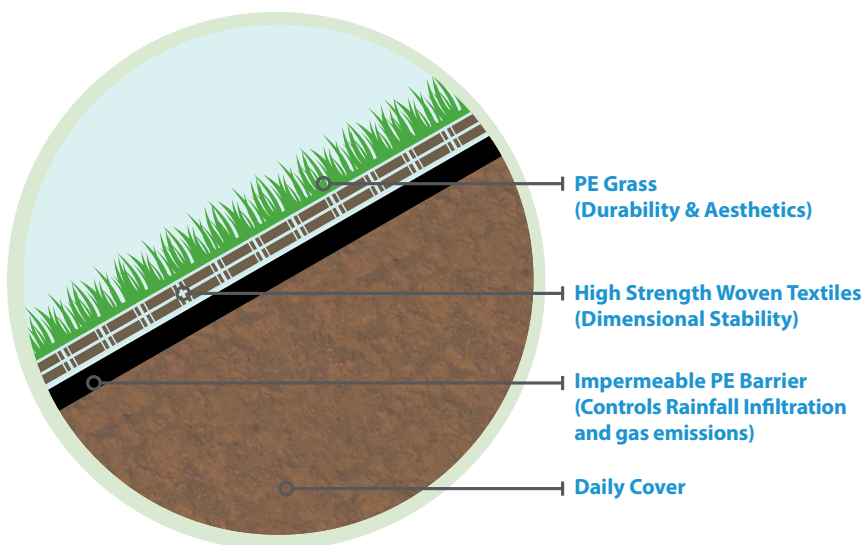



VersaCap®
U.S. & International Patents Pending



Finally, an intermediate cover that keeps the water out, controls erosion and reduces risks.

Introducing VersaCap®, an aesthetically pleasing, intermediate cover for landfills designed to reduce leachate, minimize erosion and improve water quality runoff. VersaCap is an impermeable Engineered Turf™ manufactured with a high strength backing for extra protection. Unlike exposed geomembrane covers which require significant ballasting and that have to be repaired frequently, the VersaCap product can last up to twenty years. The engineered turf helps slow water down and ensures clean surface water runoff, protecting local water sources and surrounding communities alike. Best of all, a VersaCap deployment dramatically lowers maintenance and operational costs over the life of the landfill. It is economically desirable for Municipal Solid Waste budgets.



VersaCap can be used for these intermediate cover applications:

- Intermediate landfill cover
- Leachate reduction
- Landfill gas collection assistance
- Slope stabilization
- Landfill downchutes
- Landfill drainage channels



VersaCap® has many advantages over traditional vegetative and geomembrane-only intermediate covers, including:



Leachate Reduction

Compared to traditional soil caps, VersaCap significantly reduces leachate generation because of its impermeable backing resulting in lower operational costs.



Stays in Place

Compared to exposed geomembrane covers, the engineered turf fibers significantly reduce wind uplift pressure on VersaCap. It is a wind-resistant membrane that does not require continuous ballast. Patented engineered turf seams are welded to an LLDPE carrier strip for more durable strength and impermeability.



Controlled and Cleaner Runoff

Compared to exposed geomembrane covers, the engineered turf fibers slow the sheet flow of water runoff for better stormwater management. The runoff is cleaner with no sediment or turbidity. It significantly reduces the need for the clean out of perimeter channels and basins.



Aesthetically Pleasing

VersaCap stays green all year providing a natural vegetative look without the maintenance. Turf colors are available in olive green, field green and tan.

All-Weather Resistance

The Engineered Turf™ technology has been tested and subjected to significant, if not historic weather events including, hurricanes, extreme rainfall, flooding, high winds and harsh winters.



Lower Maintenance Costs

VersaCap eliminates the need for soil cap maintenance such as mowing, erosion repairs and the application of water, fertilizers and pesticides. It allows incremental coverage in areas already at final grade.



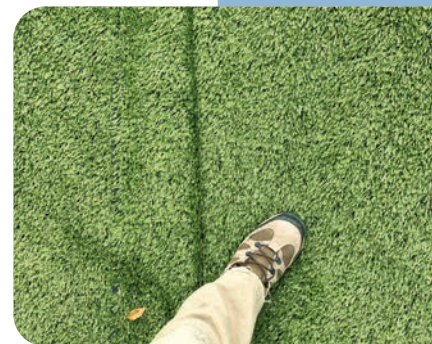
Controls of LFG Emissions & Odor Nuisance

VersaCap allows the operator to gain influence over odors and gas releases in a more rapid and efficient manner. Watershed Geo's patented surficial landfill gas collection system and patented pressure relief valves can be integrated with VersaCap for effective gas control.



Easy & Safe Access

With VersaCap, team members can easily access equipment and monitoring devices on foot in a safer, more slip-resistant environment than exposed geomembrane.





VersaCap can be used as a cost-effective, intermediate solution for storm water applications such as bench drains, downchutes and perimeter channels. It eliminates the risk of erosion and is designed to be flexible, impermeable and weather resistant. VersaCap is designed for stormwater applications with high-concentrated flows, and is a more effective and aesthetically pleasing alternative to products, such as:

- Pipe
- Flexible Mats
- Fabric Formed Concrete
- Exposed geomembranes
- Rock Riprap





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