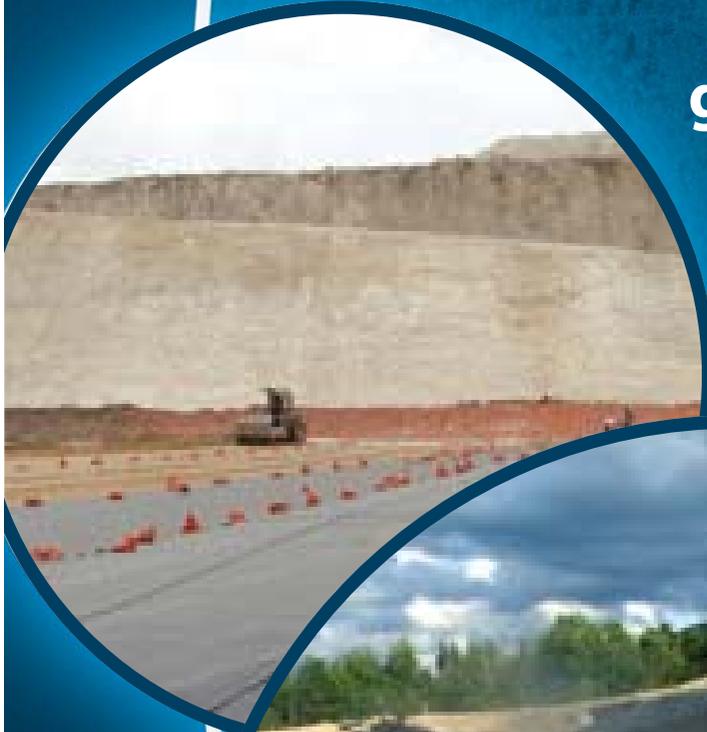


# terrafix<sup>®</sup>

environmental technology

**North America's  
leader in  
geosynthetic  
contracting  
since 1973**



terrafix® is the leading service provider of geosynthetic installations. Our strategy is to provide our clients with peace of mind by working with industry leading manufacturers and employ talented and caring individuals to offer our clients exceptional products installed by professional, knowledgeable people. We believe in choice for our clients and that is why Terrafix carries a wide range of products which enable us to let the applications determine the product opposed to fitting one product to every application.

“terrafix® is our preferred installer of geosynthetics because of the service they provide, the quality of their work and the fair manner in which they conduct their business.”

- Casella Construction -

“ terrafix®, from the start of the project, maintained their schedule, properly manned the project and completed this project on time. They also were very flexible when we asked them to return to do some added work.”

- Themili Builders Incorporated -

“The selection and correct use of high quality geosynthetic materials installed by an experienced installer is the key to a successful project. Remedial work on low quality, low priced installations always results in an expensive bargain.”

## Waste Management

terrafix® offers a turnkey supply and installation package of geomembrane, geotextile, geosynthetic clay liner [GCL], geocomposite drainage material, geogrid and HDPE pipe when required. Our skilled installation crews work with both the engineer and the general contractor to ensure that the project is completed to the proper specifications, on time and on budget. terrafix’s strong ties to large industry manufacturers and suppliers assures its customers of lead times that conform to the project requirements.

For over twenty years terrafix® has been creating safe, clean environmental containment and barrier liner systems across the US, Canada and Caribbean. terrafix’s methods now set the industry standard for design and installation of multi-layer geosynthetics in modern landfills. terrafix® installs geosynthetic systems to contain leachate and prevent groundwater contamination. In capping applications, geomembranes are installed to prevent water infiltration, to control methane gas / odor, and to provide an aesthetically pleasant landscape. Recent designs can repurpose the methane gas for energy use.

## Water Management

terrafix® is also committed to preserving our dwindling water supplies and offers lining systems to contain water for stormwater management, golf ponds, and irrigation systems. Geomembrane liners allow the water to be treated and safely returned to the eco system. Water collection for irrigation is now critical and various agencies insist that ponds be lined to avoid drawing from natural resources. Common lining products for these applications are Bentofix GCLs and HDPE geomembranes.

## Hydrocarbon Containment Systems

Threats of environmental damage rise dramatically in the construction of above ground fuel storage tanks due to potential spills leakage or destruction. Primary containment of hydrocarbons requires specially formulated geomembranes, which terrafix® installs either around the tank farm or inside the tank itself.

To reduce liability, secondary containment lining systems, which are mandated by most governments, have the ability to contain contaminants for a short period of time before they are cleaned up.

terrafix® offers a geomembrane system that includes a mechanical batten bar attachment to the base of the tank to ensure the integrity of the system as a whole. The range of geosynthetics acceptable for this application range from HDPE, Bentofix GCL and UCL approved geomembranes.





## Brownfields

For over twenty years terrafix® has been a North American leader in the complex and dynamic field of rehabilitating brownfield sites. With society's increasing need of finished space, the rehabilitation of North America's brownfields is a growing issue for many of our clients who rely on our expertise and proven record in this unique environment. terrafix® offers innovative solutions to meet the challenge of gas vapor containment, such as our spray applied membrane system which provides an impermeable membrane for brownfield sites.



This system sets the industry standard to prevent potentially hazardous gases or vapors from entering a structure. The combination of unsurpassed quality of the material along with the technical and installation experience of our crews has lead terrafix® to the forefront of using membranes for brownfield redevelopment.

## Gas Vapor Barriers

terrafix® offers you cost saving solutions when dealing with new construction or modification to existing structures taking place on sub-grades where there is a real or perceived danger of contamination [brownfields], Instead of a costly site excavation and/or in-situ degasification and soil treatment, terrafix® provides a cold-spray applied, seamless VOC free membrane system to prevent vapor intrusion.



terrafix® provides the industry standard in gas vapor membrane technology, designed to eliminate vapor intrusion into structures built on brownfields or any other contaminated sites (i.e. former landfills, buried organics or fill and manufacturing facilities, former dry cleaners and gas station sites).

## Gas Venting Systems

In addition to a Gas Vapor Barrier, terrafix® recommends that all vapor intrusion projects integrate a sub-slab venting system. terrafix's trenchless, high efficiency system provides same or better performance characteristics to traditional pipe based systems but offers incredible savings in money and time. By eliminating the need for costly trenching and bulky, expensive sub-slab pipe hanging systems as well as installation concurrent with the vapor barrier installation, cost and time is cut by as much as 50% over traditional perforated piping designs.



## Smoke Testing

Smoke testing ensures that a membrane is impermeable and free of holes. Smoke is pumped under the membrane for a specified period of time while the surface of the membrane is observed for minuscule holes where the smoke is clearly visible. If necessary, terrafix® can immediately repair any holes detected and immediately retest. This process has been field tested under hundreds of buildings and found to be highly successful. The smoke testing process assures engineers, developers, and owners alike that they are getting a fully tested, gas-tight membrane installation.

“terrafix's crew completed our project in a timely manner and we were pleased with their overall performance on the job and the quality of the work. We would not hesitate to use their services again in the future and would highly recommend their organization.” - In-Line Contracting -

