

GOLF COURSES

Durable, cost effective pond and lake liners

Our **GSE**® HD and LL geomembranes, as well as our **BENTOLINER**® geosynthetic clay liners (GCLs) are used extensively in pond lining applications. They offer proven performance and are a cost efficient replacement to conventional clay and concrete lining systems.

Waterproofing earthen water impoundments

We have extensive experience supplying liners for golf course facilities.

Ponds and irrigation reservoirs on golf courses provide both practical and aesthetic benefits. Our high density polyethylene (HDPE) and linear low density polyethylene (LLDPE) geomembranes provide a cost-effective and quality method of waterproofing these earthen water impoundments. Geomembranes are also increasingly being used to remediate leaking clay-lined ponds and lakes.

Solmax geosynthetics install faster, perform better, and are more cost-effective than using natural materials such as stone, gravel or compacted clay.

Quality geomembrane lining systems

Our geomembranes meet a wide range of golf course water containment requirements – from decorative ponds to irrigation reservoirs – providing long-term performance. They are an effective alternative to conventional soil liners, typically clay. Comparatively, geomembranes are more economical, quicker to install, and outperform clay liners that desiccate and crack over time.

PE geomembranes are commercially available in a range of resin densities. Solmax uses only high quality polyethylene resins specially formulated to exhibit excellent chemical resistance, UV-resistance, strength, durability, and resistance to stress cracking.





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Covered or exposed pond liners

Geomembrane lined golf ponds and reservoir liners may be left exposed or may be protected with a cover of soil or concrete. Solmax's UV-stabilized geomembranes can remain exposed for an extended period of time with no decline in their level of performance. However, most golf pond liner systems should be protected against damage from rocks, metal golf shoe spikes, debris, equipment, and vandalism.

Repair of existing ponds and lakes

Our geomembranes are suitable for lining over existing pond liners, such as weathered soils and concrete. The liner is simply unrolled over the prepared surface.

Solution Ponds

- **HDPE geomembranes** are best suited for high wear, exposure to harsh liquid conditions, and exposed applications.
- **LLDPE geomembranes** offer higher flexibility to withstand large differential settlement conditions.
- **BENTOLINER fabric-encased GCLs** are ideally suited as a replacement for thick layers of compacted clay by simply rolling out a fabric encased bentonite layer on flat or sloping areas.
- **GSE® Gundseal® geomembrane-supported GCLs** are used as a replacement for a composite liner system (geomembrane/clay), replacing both a low permeability clay layer along with an impermeable and chemically resistant geomembrane. Its one-product installation cuts installation time as well as improves composite liner hydraulic performance.

Advantages

- ✔ Rugged and durable
- ✔ Resistant to harsh liquids
- ✔ Certified for potable water containment
- ✔ UV-resistant for exposed liner applications
- ✔ Flexible for ease of installation
- ✔ Installed quickly when compared to clay and concrete

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