

WATER & WASTEWATER TREATMENT

Water is the most precious and protected natural resource on earth. To meet containment and water treatment regulations, on-site water storage and treatment reservoirs are recognized as key in treatment facilities. Our geosynthetic products are proven to provide a cost-effective and efficient method of waterproofing earthen, concrete, and steel lined containment structures and reservoirs.

Quality geomembranes

Polyethylene geomembranes are commercially available in a range of resin densities. We use only high quality polyethylene resins specially formulated to exhibit excellent chemical resistance, UV resistance, strength, durability, and resistance to stress cracking. These properties are critical to containment in most water and wastewater containment applications.

Our **GSE® HD** geomembranes are best suited for high wear, exposure to harsh liquid conditions and exposed applications.

Our **GSE LL Series** geomembranes offer higher flexibility to withstand large differential settlement conditions.

Our geomembranes are used extensively in these applications due to their proven performance as a cost-efficient replacement to conventional clay and concrete lining systems. Compared to

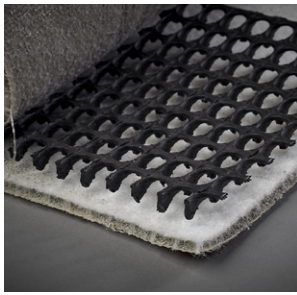
other geomembranes, such as flexible PVC, our geomembranes contain no plasticizers or fillers that may cause premature cracking and reduced service life.

Applications

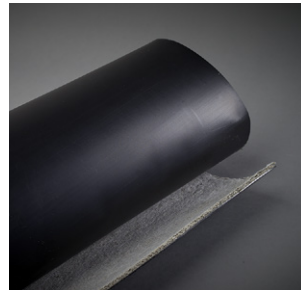
- Water storage and treatment lagoons
- Sedimentation basins
- Grit chamber liners and flow control vertical baffles
- Floating covers for anaerobic digestion and odor control
- Geomembrane liners for corrosion protection of concrete structures
- Geomembrane liners to remediate leaking containment structures
- Factory-controlled prefabricated sumps, liners, piping systems, and pipe penetration connection liners



Solmax provides a complete range of solutions to meet your water containment needs.



BENTOLINER



GSE Gundseal

Advantages

- ✔ Rugged and durable
- ✔ Resistant to hazardous and 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

Our geosynthetic clay liners provide an economical alternative to conventional compacted clay liners

For water and wastewater containment lining applications that require Compacted Clay Liners (CCLs), in addition to geomembranes, we also offer two types of Geosynthetic Clay Liners (GCLs), **BENTOLINER**® Fabric Encased GCLs and **GSE Gundseal**® Geomembrane Supported GCLs.

Whether the choice is our BENTOLINER or GSE Gundseal to provide an economical alternative to your compacted clay water containment requirements, Solmax provides the widest range, most versatile, and highest quality GCLs in the world.

GCLs are commonly used in water and wastewater containment applications, to replace conventional compacted clay layers and geomembrane/compacted clay composite liners.

Our **BENTOLINER** is 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** is used as a replacement for a composite liner, replacing both a low permeability clay layer along with an impermeable and chemically resistant geomembrane.

Its one-product installation saves installation time as well as improves composite liner hydraulic performance.

Repair of existing lagoons and lined structures

Our geomembranes are suitable for lining of existing structures or to retrofit leaking liner systems, such as lagoon clay liners, cracked and weathered concrete liners, or corroded steel containment liners. The liners are simply installed over a prepared surface above the leaking liner.

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REV 0523