

MINING

Solmax knows what's at stake when it comes to environmental protection and preventing solution loss in today's mining operations. That's why we manufacture the most durable, long-lasting geosynthetic containment systems designed specifically for mining applications.

Heap Leach Recovery

With millions of square meters installed at mining operations around the world, Solmax's geomembrane lining systems are proven to be the most durable and cost-effective containment solution in heap leach pads. Our geomembranes exhibit superior resistance to punctures, stress cracking and harsh chemicals. When the application requires placement on steep slopes, our Textured sheet increases the frictional resistance and keeps the liner in place. White Geomembrane reflects the sunlight and reduces liner temperature which results in fewer wrinkles.

Sometimes damage occurs during installation or while placing overliner material on the pad. Our Leak Location® Conductive Liner installed using Iso-wedge technology allows Electrical Liner Integrity (ELI) testing on both exposed and covered applications, on slopes, across seams, and over

wrinkles to find the leaks quickly before serious damage can occur or large amounts of solution are lost.

When temperatures become elevated, High Temperature Geomembrane is formulated to maintain its physical properties in application with sustained temperatures of up to 100°C (212°F).

To keep the leachate flowing freely to the collection ponds, install a FABRINET® Geocomposite. This innovative high-flow, high-strength drainage system performs better than natural gravel, withstands high loads, installs quickly and protects the geomembrane from punctures.

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



Solution Ponds

Pond liners are typically exposed to the elements and constant use. Leak Location Conductive Liner can be tested year after year, whether exposed or covered. Add a second layer of High Performance Geomembrane, along with a geonet geocomposite to create a leak detection system under the pond liner and ensure complete capture of valuable solutions.

Concrete Protection

Solmax offers unique products for lining concrete tanks used during the SX-EW process and other structures that utilize scraper arms. Consider GSE® StudLiner, an HDPE sheet with integrated studs that lock the liner into newly poured concrete or adhere to existing concrete with injected mortar. It provides a smooth, wrinkle-free, rigid membrane surface for complete containment as well as abrasion protection.

Tailings Storage

Lining tailings ponds with High Performance Geomembranes creates a barrier and prevents the release of mining refuse into the environment. MINEDRAIN, in this application, acts as a layer of protection for the geomembrane, reducing tears and leaks.

Closures and Capping

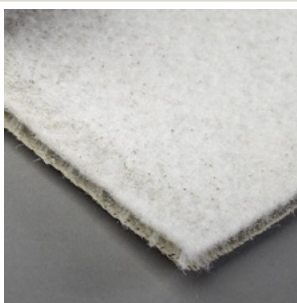
When disposing of tailings, acid producing waste rock, and spent heaps, properly capping the waste prevents oxidation and the release of harmful



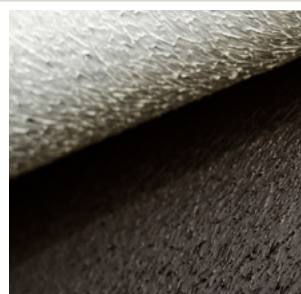
substances. BENTOLINER® GCL combines with a geomembrane is the most durable, reliable composite cover system available on the market today.

Safety and Stability

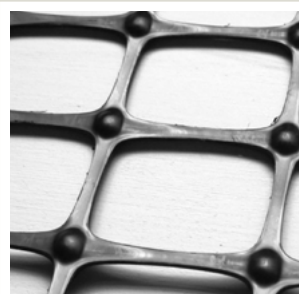
Our Geogrids are used on the roofs and walls of underground mines to prevent debris from falling on workers. In addition, they provide a quick, longterm solution to strengthening roads and sites built on unstable soils.



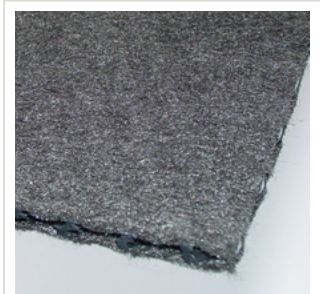
GCL



**High Performance
Liner**



Geogrids



**Drainage
Geocomposite**

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