

STORAGE TANKS – CONTAIN AND PROTECT

Accidental leakage from tanks containing hazardous substances can impact human health and devastate the environment. Our geomembranes are designed to protect storage tanks, as well as contain and confine potentially harmful contaminants.

Preserving and protecting

Storage tanks are a primary containment solution for hazardous substances. Our geomembranes help ensure they get the job done effectively, reliably and safely.

- Geomembranes can be installed in steel and concrete tanks of all sizes to preserve aging tanks and protect tank walls from corrosion.
- In potable water applications, a geomembrane assures that no groundwater-based contaminants or sediments from deteriorating structures enter the water.
- A floating cover or fixed-roof cover can, likewise, keep unwanted material out of the containment vessel or help confine vapors emitted by the contained liquid.

Applications – steel and concrete tanks

Solmax geomembranes can be used in steel and concrete tanks. They have been proven in hundreds of containment installations. Our high density polyethylene (HDPE) geomembranes can be attached to steel tank walls using bolted stainless steel batten strips. Geomembranes can also be attached to concrete foundations economically using our **Polylock** HDPE concrete embedment strips. The **Polylock** strips are attached to the concrete forms prior to pouring.



Once the poured concrete has set, the geomembrane can be securely welded to the **Polylock** strip to form a continuous attachment.

A secondary containment system will prevent potential health and environmental issues should the primary liner be damaged during service. It is a critical component of tank lining protection for all applications, from small tanks to entire tank farms.

Products

Our **GSE**® HD geomembranes provide corrosion protection for concrete and steel surfaces.

- **GSE** leak location liners have an electrically conductive bottom layer that allows for Spark testing to identify damage to the liner after installation.

Our geomembranes are designed to protect storage tanks, and reliably contain and confine potentially harmful contaminants.

- **GSE Studliner®** is an HDPE concrete protection product that protects against chemical and mechanical damage to concrete structures.
- **Polylock** is a rugged, durable HDPE profile that can be cast in place or inserted into wet concrete, leaving the welding surface exposed for attaching HDPE geomembranes in storage tank applications.

Environmental benefits

Geosynthetic-lined tanks help prevent the devastating environmental and health impacts that can result from leakage of hazardous materials from unlined or damaged tanks.

Advantages

- ☑ High quality manufactured lining solutions
- ☑ Stringent quality-control for the most demanding applications
- ☑ Outstanding UV stability and long-term durability
- ☑ High chemical resistance and mechanical properties
- ☑ Conductive liner allows for detection of damage occurring during installation and operation



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