Tanks

SECURE CONTAINMENT AND LEAK DETECTION LINING SYSTEMS
For primary tank linings, secondary containment, leak detection systems, ringwalls and retrofits, GSE products meet a wide range of tank application needs. Thousands of industrial and municipal users have relied on GSE materials, technology and services in vital applications such as the secure segregation of hydrocarbons and chemical media, corrosion proofing of concrete, steel and other surfaces. With over 30 years of manufacturing and installation experience, GSE can provide you with superior quality and service.

PRIMARY TANK LINERS
GSE geomembranes have been installed inside steel and concrete tanks of all dimensions to preserve aging tanks and to protect the tank walls from corrosion. In potable water applications, the geomembrane assures that no groundwater-based contaminants or deteriorating structural containment sediment enters the reservoir. A floating cover or fixed-roof cover can likewise keep unwanted material out of the containment or help confine vapors emitted by the contained liquid.

GSE HDPE geomembrane can be attached to steel tank walls using bolted stainless steel batten strips. Geomembrane can also be attached to concrete foundations more economically using GSE PolyLock HDPE concrete embedment attachment 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. Refer to the GSE Tank Lining application sheet for more specific and technical information.

SPECIALTY PRODUCTS
A collection of geocomposites, geomembranes and drainage geonets for liquid restraint applications.

GSE offers a range of quality geosynthetic products to facilitate tank lining projects:
• High Density Polyethylene (HDPE) Geomembranes
• Drainage Geonets & Geocomposites
• Cast-In-Place Geomembrane Attachment Strips
• Cast-In-Place Concrete Protective Liner Systems
• Precise Factory-Controlled Prefabricated Pipe Intrusion Boots, Sumps and connections

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ENHANCED LININGS
A GSE Leak Location liner system can be thoroughly electrically spark-tested once installed. And for exposed applications, the clean conductive geomembrane can be spark-tested periodically as part of a maintenance program to ensure that no post-installation damage has occurred. GSE Leak Location geomembranes offer a level of assurance not possible with other tank lining products. See the GSE Leak Location application sheet for more information.

LEAK DETECTION
GSE HDPE geomembrane liners are typically utilized for leak detection systems inside the ringwall or retrofit. The liner contains and channels leaked liquids to a leak detection sump. A GSE drainage geocomposite, placed directly on top of the geomembrane, is typically used to facilitate rapid drainage of any leaked liquid.

SECONDARY CONTAINMENT
From small tanks to entire tank farms, the secondary containment area is a critical component of tank lining protection. GSE geomembranes have been proven in hundreds of secondary containment applications. GSE’s trained installation technicians have extensive experience working with pre-existing and complicated piping systems.

CORROSION PROTECTION
GSE HDPE geomembrane lining systems are routinely utilized to provide corrosion protection for concrete and steel surfaces. GSE offers two methods for corrosion-proofing. The first method involves attaching standard geomembrane sheeting to the concrete surface using batten strips or the PolyLock concrete embedment strip. The second method is to use GSE StudLiner concrete protective liner systems. GSE StudLiner sheeting incorporates extruded studs on one side which are embedded into new concrete or attached using an injected mortar. The StudLiner sheet locks into the concrete and provides a tight, smooth, rigid surface. See the GSE StudLiner application sheet for more information.

ENGINEERING SUPPORT
The GSE Engineering Support Staff is comprised of multidisciplinary product professionals to support you across a range of project requirements. This includes knowledge in geomembrane, geosynthetic clay liners, geonet, geocomposite, nonwoven geotextile and concrete protection products and application solutions. Rely on our technical staff to help you solve your project issues.

CUSTOM FABRICATION
The GSE Custom Fabrication Group builds products to your exact specifications. We have extensive experience in prefabricated polyethylene products and components. A few examples of our custom fabricated products are Aqua Tanks, Quick Containment, concrete protection liners, boots, sumps, pads, pipes, daily covers, temporary containment, containment boom and other products to fulfill your fabrication needs.

INSTALLER NETWORK
The GSE Installer Network leads the industry with the most experienced, large, and flexible crews available around the world to meet your installation requirements. Each installer is equipped with state-of-the-art welding and testing equipment to ensure a successful installation. Selecting a qualified installer with the right product knowledge is critical to your success. Let GSE connect you to the right installer to handle your installation project of any size from start to finish.

GSE is a leading manufacturer and marketer of geosynthetic lining products and services. We’ve built a reputation of reliability through our dedication to providing consistency of product, price and protection to our global customers.

Our commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.

For more information on this product and others, please visit us at GSEworld.com, call 800.435.2008 or contact your local sales office.