

ContainMat

FABRIC ENCASED GEOSYNTHETIC CLAY LINERS (GCLS)

ContainMat is the first composite liner system specifically made for oil and gas secondary containment applications. A uniform layer of Sodium Bentonite is distributed between a woven and nonwoven geotextile. The woven side is a bright orange polypropylene coating, providing a second hydraulic barrier in addition to the bentonite core. The upward facing polymer coating resists dessication of the bentonite core while retaining water in near surface and capping applications. The bright orange color provides a distinct visual delineation from cover soils.

The 300 mil thick ContainMat is heavy and durable, making it easy to install in cold, windy, rigorous field conditions typical of an oil field. Should small cuts or tears occur during or after installation, the Sodium Bentonite enables the liner to self seal.

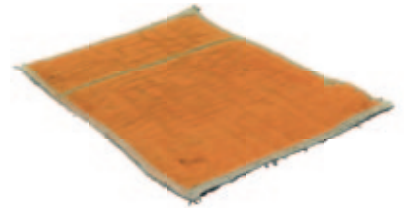
ContainMat is suitable for secondary containment capping, water containment, and similar applications.



[Fabric Encased Clay Liner]

NEEDLE-PUNCHING MAKES A DIFFERENCE

By needlepunching fibers through the sodium bentonite clay layer, a completely uniform, reinforced GCL is produced with shear strength, creep resistance, and stability advantages important to any application. The heat bonding step further enhances these properties.



GSE ContainMat

CLAY LINERS

A composite liner system that combines the low permeability of a polypropylene geofilm with the self-seaming characteristics of bentonite clay to provide the best leak protection in the industry.

UNIFORM BENTONITE CONTENT

The uniform confinement provided by the fibers from the needlepunching process resist lateral migration of the bentonite clay within the GSE ContainMat GCL in either the dry or hydrated state. As a result, a consistent bentonite content is preserved throughout the composite, in turn resulting in a consistent low permeability.

GREATER INSTALLATION DURABILITY

During installation, the needlepunched fibers hold the bentonite in place and prevent the GCL from separating. GSE ContainMat GCL is more durable over a wider range of installation conditions, and, because it is needlepunched, thermal locked AND polypropylene coated, it can greatly reduce the adverse effects of premature hydration during installation.

REDUCED HYDRAULIC CONDUCTIVITY

Application of the orange polypropylene coating further reduces hydraulic conductivity while maintaining the flexibility required for cold and windy weather installations. The coating also helps to maintain adequate bentonite moisture during dry weather conditions.

QUALITY CONTROL

Because GSE ContainMat GCL is a factory manufactured liner product, the controlled environment of the production facility allows for greater control over critical performance characteristics. The intensive manufacturing quality control program ensures consistent hydraulic and physical properties through the latest ASTM testing procedures.

The thorough manufacturing quality control minimizes the expensive and time consuming on-site quality assurance testing required for compacted clay liners. GSE ContainMat GCL provides consistent high quality performance.



[Secondary Containment Tank Battery]

EASY TO INSTALL AND REPAIR

GSE ContainMat GCL is the widest fabric encased GCL in the industry. The widest width, coupled with available custom lengths, makes GSE ContainMat the most versatile GCL available.



[ContainMat Installation]

Simple, cost-effective installation techniques make GSE ContainMat GCL a practical alternative to a compacted clay liner for a wide range of applications. The flexible ContainMat can be installed in weather conditions from cold and windy to hot and humid without damage. Overlapping installation seam methods allow installation of the ContainMat without welding. The unique orange color provides easy identification during installation as well as excavation. Lap lines are provided on the orange color to provide a quick visual check on installation quality. In the event of a tear, ContainMat can be repaired easily without glue or welding.

ENGINEERING SUPPORT

The GSE Engineering Support Staff is comprised of multidisciplinary product professionals to support 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.

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.

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

