



# GEOLINING SYSTEM

## High Density Polyethylene

- HDPE Liner
- PVC Liner
- EPDM
- GRP Lining
- LDPE
- Polyurea System



# WATER SEAL

Establish in early 90's as specialized contractor for specific construction related services. Within two decades it has become one of the top ranking companies in UAE. Water Seal has grown to group of companies with access to the advanced computerized design & state of engineering art facilities ensuring commercial, technical approach to various types of civil activities.



## Water Seal Mission

The Mission of Water Seal is to build on its reputation for integrity, excellence, experience and leadership as the finest solution provider by:

1. Incorporating most advance technology and techniques available in the industry in developing and delivering solutions
2. Continuously improving the quality of work and exceed each client's expectation
3. Maintaining our dedication to the highest moral principles
4. Providing our people with a challenging, secure, and safe environment in which to achieve personal career goals.

# GEOLINING

High density polyethylene (HDPE) geomembrane produced from specially formulated, virgin polyethylene resin. The polyethylene resin is designed specifically for flexible and durable geomembrane applications.

# GEOLINING SYSTEM

## High Polyethylene



### WHY CHOOSE GEOLINING SYSTEM?

**GeoLining System** is the ideal choice for the most demanding applications. The specially extruded liners combine high tensile strength and chemical resistance with excellent stress-crack resistance and low temperature properties for highly reliable containment.

Chemically inert and resistant to most hydrocarbons, these liners are the industry standard for a wide range of applications.



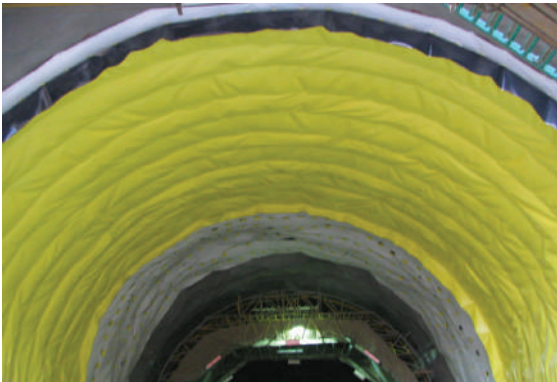
# GEOLINING SYSTEM

## Our Products



### HDPE Liner

HDPE is a Geomembrane manufactured from maximum quality high density polyethylene HDPE resins, duly contrasted, that comply with the most rigorous requirements established for their use.



### PVC-GEOMEMBRANE

PVC liners fabricated are single-ply construction with Polyvinyl Chloride as the principle polymer. First quality virgin resins are used and all materials meet or exceed minimum specifications for materials and minimum specifications for seam strength.



### GRP LINING

GRP Lining for Underground Concrete water tanks / Chemical Storage Tanks & Steel Tanks prevents leakage and absorption of water and protects water from algae and fungal growth. GRP Lining is permanent layer coating process, and will last for a lifetime. GRP lined tanks are suitable for storage of potable water.



### EPDM WATERPROOFING MEMBRANE

EPDM Membrane exceptional characteristics like resistance to ozone and temperature shocks, ease of application and maintenance, made it the best waterproofing membrane available to cope with the performance demands of the scorching desert climate of the Arabian Gulf.

# GEOLINING SYSTEM

## Our Products



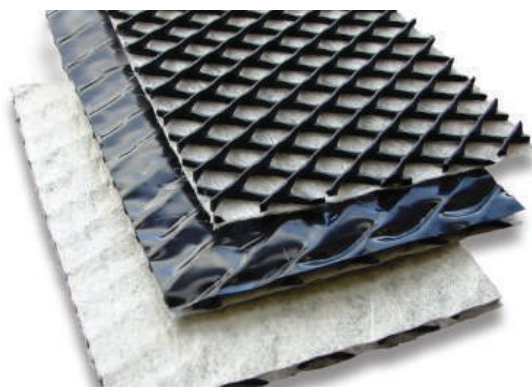
### **LDPE (Low Density Polyethylene)**

LDPE has the most excessive branching. This causes the low density to have a less compact molecular structure which is what makes it less dense. It has a density of 0.91-0.925g/cm<sup>3</sup>.



### **POLYUREA SYSTEM**

Polyurea Waterproofing System addresses this important factor by delivering cost-effective high quality spray applied systems which can achieve rapid return to service times whilst maintaining long term performance.



### **DRAINAGE GEOCOMPOSITE**

Drainage Geocomposite is formed by continuous extrusion of two intersecting high density polyethylene (HDPE) strands to form a high profile, biaxial net structure.

The evenly spaced ribs, which intersect at 600, keep flow channels open with a high capacity for water evacuation or gas collection.

Drainage Geocomposite is resistant to chemical and biological agents normally present in the soil and wastes; also stabilized with carbon black for resistance against UV degradation.

# GEOLINING SYSTEM

## Lining Solutions



AQUACULTURES



OIL STORAGE TANKS



RESERVOIRS & PONDS



LANDFILLS



TUNNELS / UNDERPASS



WATER STORAGE TANKS



CANALS



GOLF COURSES



WASTE WATER TREATMENT PLANTS



OIL FIELD PITS



ARTIFICIAL LAKES



SWIMMING POOLS

# GEOLINING SYSTEM Project References



Project : HDPE-Refurbishment of Existing Water Feature, Dubai Intl Airport  
Year : 2021  
Our Client : Tulipa Landscaping LLC  
Consultant : E11 Consultant  
Scope of Work : HDPE Lining



Project : Polythene Sheet (HDPE) Desalination Plant Project - UAQ  
Year : 2020-2021  
Our Client : M/s Alucor Ltd.  
Consultant : M/s Capital Engineering Consultant  
Scope of Work : HDPE



Project : HDPE Lining For Water Ponds -Sharjah Waste To Energy Project- Sharjah  
Year : 2020-2021  
Our Client : Butec S.A.L (Dubai Branch)  
Consultant : N/A  
Scope of Work : HDPE



Project : Public Lake#2 Near Al Wathba Cycle Track, Abu Dhabi  
Year : 2021  
Our Client : Al Mazrouei Painting Works & Insulaton Materials Co. LLC  
Consultant : E11 Engineering Consultancy & Project Management  
Scope of Work : HDPE



Project : Farm In Al Madam Area Sharjah  
Year : 2021  
Our Client : Private  
Consultant : N/A  
Scope of Work : HDPE



# GEOLINING SYSTEM Project References



Project : Elomp, Inside Seaport Fujairah  
Year : 2012  
Our Client : ITC Contracting  
Consultant : Cylingas

Scope of Work : HDPE



Project : Construction of Oil Terminal  
Work in HFRA Sharjah

Year : 2012  
Our Client : Sino-Pec International  
Petroleum Services China

Consultant : Atkins  
Scope of Work : HDPE



Project : Fuel Tank Foundation at RAK  
Airport Ras Al Khaimah

Year : 2013  
Our Client : Chemie-Tech LLC  
Consultant : RAK Airport Authority  
Scope of Work : HDPE



Project : R405 4/1 Shis to Khorfakkan Road &  
Tunnel SKF-2 (West)

Year : 2018  
Our Client : General Mechanic Co. (P.V.T.)  
Consultant : CH2M  
Scope of Work : PVC Lining



Project : PODZ 4,5&6, Khazna Data Center. AUX  
Year : 2017  
Our Client : Laing O'rourke Middle East(Holdings) Ltd  
Consultant : GHD  
Scope of Work : HDPE Lining

# GEOLINING SYSTEM Project References



Project : F-355 ENOC Lubrication & Grease Fujairah Port  
Year : 2008  
Value : AED 1.4 Million  
Our Client : Eastern International  
Scope of Work : HDPE



Project : AL Ghandi Showroom PLOT #416-2052 Nad Al Hamar Dubai  
Year : 2009  
Our Client : Al Nimr Civil Engineering  
Scope of Work : HDPE



Project : Construction of ENOC Fujairah Distribution & Trading Terminal Fujairah  
Year : 2011  
Our Client : ITC Contracting  
Consultant : Eastern Engineering  
Scope of Work : HDPE



Project : Health Club Al Khawaneej Dubai  
Our Client : Al Naboodah Contracting  
Consultant : ADS Architectural Consultants  
Scope of Work : EPDM Lining of Artificial Lake & Water Features



Project : Central Kitchen Al Hyle Fujairah  
Year : 2012  
Our Client : East Coast Contracting  
Consultant : Orbit Engineering  
Scope of Work : HDPE



The growing concern over contamination of valuable water resources and fluid migration to subsurface of concrete or steel has resulted in the increasing awareness of interest in, and demand for **GeoLining System**.



Surface Preparation



Installation



Covered Surfaces

SECURE CONTAINMENT & LEAK DETECTION LINING SYSTEMS with:

- ✓ Assurance of Quality, Safety & Environment
- ✓ Use of Latest Equipments
- ✓ Technical Support
- ✓ Design Specifications
- ✓ Advanced Testing Techniques
- ✓ Successful Experience

# WATER SEAL RANGE OF SERVICES :



Geo Lining



Shotcrete / Guniting



Modern Combo Roofing System



Basement Waterproofing



Polyurea Waterproofing



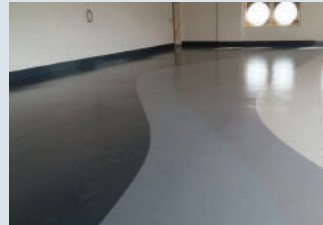
Roof Waterproofing



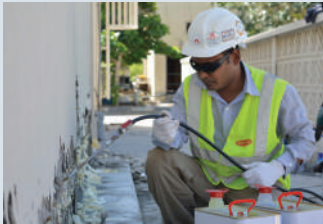
Fire Proofing



Clay Tile Roofing



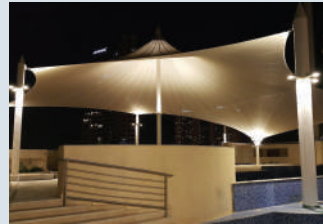
Floor Coatings



Crack Injection



Structural Strengthening



Fabric Shade Structure



WATER SEAL MAT CONT CO LLC  
 P.O. Box: 24428, Sharjah - UAE  
 Tel +971 6 5614180  
 Fax +971 6 5614181  
 inquiry@watersealuae.com

WATER SEAL BUILDING INSULATION LLC  
 P.O. Box: 49911, Dubai - UAE  
 Tel +971 4 2386293  
 Fax +971 4 2386294  
 inquiry@watersealuae.com

WATER SEAL GENERAL CONT & MAINTANANCE  
 P.O. Box: 109412, Abu Dhabi - UAE  
 Tel +971 2 5509092  
 Fax +971 2 5575704  
 inquiry@watersealuae.com

[www.watersealuae.com](http://www.watersealuae.com)

