LINER ACCESSORIES
- Seaming – Sealant tapes, PVC adhesive, EL adhesive, hot wedge and hot air welding
- Pipe Boots – 2 to 14 inch diameter factory fabricated pipe boots
- Liner Repair Kits – PVC, Enviro Liner®, Extruded Welding Rod, etc.
- Ballast – non-rated and UV rated sandbags, ballast tubes, and connectors
- Geomembrane protection – nonwoven geotextiles
- Cover soil stabilization – cellular confinement, geogrids, geotextiles, ECBs, TRMs
- Drainage – Geocomposite drainage blanket, drainage boards
- Attachment hardware – gaskets, sealant, battening strip, clamps, etc.
- Custom RF welding capabilities

KEY GEOMEMBRANE APPLICATIONS
- Secondary containment
- Golf course ponds
- Landfill liner, cap, and sacrificial liner
- Mine tailings, heap leaching impoundments
- Canals and ditches
- Reservoir and pond seepage control
- Wastewater lagoons
- Animal waste lagoons
- Aquaculture ponds
- Floating covers
- Baffle curtains
- Remediation liners/covers
- Sand filter & box liners
- Vapor barriers

CALL US WITH YOUR IDEAS OR DESIGN!

GEOSYNTHETICS, USA
800-796-6868
FAX 425-254-1575

GEOSYNTHETICS, CANADA
800-840-2884
FAX 780-455-5218

www.geomembranes.com

GEOMEMBRANE MANUFACTURING

Layfield is a vertically integrated company that manufactures, fabricates and installs geomembranes and floating cover systems. Layfield supplies one of the largest selection of high performance flexible geomembranes in the industry. These materials range from our popular Enviro Liner® geomembrane series to new generation materials such as Polypropylene. We provide a full range of specialty products including our Hazgard® Series designed for secondary containment of hydrocarbons and our VaporFlex™ material designed for moisture protection in buildings.
GEOMEMBRANE PRODUCT OVERVIEW

Layfield is a vertically integrated company which manufactures, fabricates and installs geomembranes. Our geomembranes can be grouped into three categories. The first category outlines general purpose geomembranes which are UV stabilized and can be left exposed (no soil covering) for longer durations. The second category represents general purpose geomembranes that should be backfilled, or can be left exposed for short term applications. The third category summarizes specialty geomembranes designed for a number of special containment applications.

EXPOSED GEOMEMBRANES

<table>
<thead>
<tr>
<th>Product</th>
<th>Product Description</th>
<th>Thickness (Typical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enviro Liner® 6000 Series</td>
<td>Enviro Liner® 6000 series is a high performance polyolefin product with advanced UV stabilizers designed for outstanding longevity. It brings together various performance properties including flexibility, durability, chemical resistance, and UV stability. This product is excellent for long term exposed water and waste water applications, secondary containment applications, landfill caps and floating covers.</td>
<td>20, 30, 40 mil</td>
</tr>
<tr>
<td>Enviro Liner® 4000 Series</td>
<td>The Enviro Liner® 4000 series is a specialized polyethylene lining material that combines flexibility, UV stability, and chemical resistance. The Enviro Liner® 4000 series is designed as a flexible cap material for landfills and general containment applications.</td>
<td>20, 30, 40 mil</td>
</tr>
<tr>
<td>Enviro Liner® 2000 Series</td>
<td>The Enviro Liner® 2000 series is an economical lining material made from blended reprocessed and virgin resins selected for optimum performance at the lowest cost. Enviro Liner® 2000 products are intended for use in non-hazardous geomembrane applications such as seepage control, water containment, remediation, as well as temporary liners and covers.</td>
<td>20, 30, 40 mil</td>
</tr>
<tr>
<td>Polypropylene (U)</td>
<td>Unsupported polypropylene is a highly flexible geomembrane designed for a variety of water and waste water containment applications. The material has excellent weathering and cold temperature properties.</td>
<td>20, 30, 40 mil</td>
</tr>
<tr>
<td>Polypropylene (R)</td>
<td>Scrin reinforced polypropylene geomembrane liners are used for general containment, floating covers and baffle curtains.</td>
<td>24, 36, 45 mil</td>
</tr>
<tr>
<td>Hypalon®</td>
<td>Hypalon® liners are an excellent choice for water and waste water applications, and are commonly used to produce floating covers. Specific Hypalon® grades for drinking water contact are available.</td>
<td>36, 45, 60 mil</td>
</tr>
<tr>
<td>HDEPE</td>
<td>High density polyethylene geomembrane offers good chemical resistance and weathering properties. HDEPE is commonly used for general containment and landfill applications.</td>
<td>40, 60, 80 mil</td>
</tr>
</tbody>
</table>

BACKFILLED GEOMEMBRANES

<table>
<thead>
<tr>
<th>Product</th>
<th>Product Description</th>
<th>Thickness (Typical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Textured Enviro Liner®</td>
<td>Textured Enviro Liner® offers improved soil to geomembrane friction angles and safety characteristics. Enviro Liner® also has excellent chemical resistance and weathering properties.</td>
<td>20, 30, 40</td>
</tr>
<tr>
<td>PVC</td>
<td>PVC is a flexible lining material used for general purpose containment applications. PVC has excellent elaporation properties and is easy to install.</td>
<td>20, 30, 40 mil</td>
</tr>
<tr>
<td>RPE®</td>
<td>Reinforced Polyethylene (RPE) is ideal for permanent seepage control when backfilled. It is excellent for canal lining and interim (sacrificial) landfill covers.</td>
<td>12 and 20 mil</td>
</tr>
</tbody>
</table>

SPECIALTY GEOMEMBRANES

<table>
<thead>
<tr>
<th>Product</th>
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<th>Thickness (Typical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VaporFlex™</td>
<td>VaporFlex™ is manufactured from a special blend of polyolefin resins and additives. This highly durable product is used to discourage mild growth or to prevent harmful vapors from migrating through a building foundation. VaporFlex™ is designed as a Class A/B moisture vapor retardant (ASTM E-1745).</td>
<td>10, 15 mil</td>
</tr>
<tr>
<td>HAZGARD® 500, 1000</td>
<td>The Hazzard 500 &amp; 1000 materials are UL listed geomembranes designed for secondary containment of various flammable and combustible liquids.</td>
<td>25, 36 mil</td>
</tr>
<tr>
<td>HAZGARD® 100, 250</td>
<td>These materials are used mainly in secondary containment application and as a methane/hydrocarbon vapor barrier.</td>
<td>30, 30 mil</td>
</tr>
<tr>
<td>Arctic Liner® NT</td>
<td>Arctic Liner® NT is a highly flexible geomembrane with advanced chemical resistance, it is formulated specifically for winter installation in harsh environments. Arctic Liner® NT is excellent for the containment of combustible liquids and many oilfield chemicals.</td>
<td>30 mil</td>
</tr>
<tr>
<td>OR RPE 25</td>
<td>OR RPE 25 is a special variation of RPE with enhanced oil and chemical resistance. OR RPE is used extensively in soil remdiation liners and covers.</td>
<td>20 mil</td>
</tr>
<tr>
<td>XR-5</td>
<td>XR-5 is a scrim reinforced chemically resistant geomembrane used for secondary containment.</td>
<td>30 mil</td>
</tr>
</tbody>
</table>

MANUFACTURING

- Blown film extrusion technology
- Textured or smooth sheet
- Enviro Liner® Series
- Polypropylene
- VaporFlex™
- Weathering Warranties
- ISO 9001:2000 Registered

PREFABRICATED LINERS

- Factory fabricated to larger panels
- Custom sizes & shapes
- High performance flexible membranes
- Reduced installation time/cost
- Full QA/QC testing

DISTRIBUTION

- Stock liner program
- Fabricated roll stock
- Dispenser rolls

INSTALLATION

- Design build
- Project management
- Field technician support
- Leak location technology
- Spray applied coating
- Maintenance programs
- Steel containment dikes
- Geomembranes
- Floating Covers
- Geocomposites

NEW TEXTURED ENVIRO LINER®

Layfield’s new textured Enviro Liner® is designed to increase the friction angle between soils and the geomembrane allowing for steeper side slopes in backfilled applications. It also provides an important feature by reducing the surface slip factor associated with a standard smooth surface geomembrane.

We supply specialty products such as this floating cover.