



DEERY Waterproofing Materials

MEMBRANE 6 Seamless Thermo Plastic Liner

For over two decades, Deery American Corporation has provided the world's finest thermoplastic membrane liners to utilities, mining and mineral companies, and municipal governments.

Advancements in containment design have accelerated to the point that conventional lining technologies have reached their plateau. Increased regulatory and permitting pressures are creating new challenges for liner designers.

The unique properties of Membrane 6 can help meet those challenges. Deery's expertise with hot applied synthetic rubber membranes is your choice when cost and performance are prime considerations. use Recessed Repair Mastic®

TOUGH and RESILIENT

The unique physical characteristics of Membrane 6 make it the ideal liner where flexibility and elongation are required. No longer must you sacrifice tensile strength and puncture resistance for the sake of elongation.

Stop worrying about stress cracks and seam failures. The highly elastic properties of Membrane 6 outperform conventional seamed geomembranes especially when extreme differential settlement is a problem.

Membrane 6 can be formulated to withstand temperatures below zero. Unlike polyethylene geomembranes, Membrane 6 exhibits excellent low temperature flexibility, further reducing failures caused by brittleness and stress cracking.

With Membrane 6, safety and maintenance problems are minimized. On a properly prepared base, Membrane 6 will support very heavy moving traffic without damage.

Excellent Side Slope Stability

While competing technologies have added textured products to their liner solution, Membrane 6 offers excellent friction resistance at low cost.

As landfill air space becomes more precious, there is a trend toward higher and steeper side slopes. Since Membrane 6 is a rubberized material, friction angle is outstanding.

Designers can use a wider variety of geotextiles and, in some cases, geotextile for top cover stabilization may not be necessary.



Dam Restoration

Hot application seals concrete and asphalt surfaces, and withstands compressive stresses.



Pond & Paved Lagoon Lining

Durable, seamless, and user serviceable.



Leach Pads

Can handle excessive loading without compromising resiliency.



DEERY Waterproofing Materials (continued)

Variable Thickness

Membrane 6 can be applied much thicker than other geomembranes. Typical applications are between 100 and 200 mils thick.

In addition to the benefits of increased thickness, Membrane 6 can withstand extreme soil or other material loading.

We are the ideal solution for leach pads, gypsum stack liners, or any application where severe loading conditions exist.

Thicker is better.

Resists Corrosion

Membrane 6 is resistant to a wide range of chemicals and minerals. When you combine the excellent physical properties of Membrane 6 with its great stability under extreme corrosive conditions, you end up with a superior solution for secondary containment problems.

TOUGH and RESILIENT

As a hot applied material, Membrane 6 bonds to itself as well as flows evenly around pipe penetrations, pump bases, and other protrusions.

Expensive and time-consuming mechanical seam welding is eliminated, reducing QA/QC costs significantly. Batten strips and anchor bolts are not necessary, since Membrane 6 bonds easily to concrete, steel, asphalt – and a variety of other geomembranes.

Secondary containment installations require half the installation time of seamed lining systems. Less down time means reduced construction costs. Since Membrane 6 bonds to itself, repairs are easily made using conventional melting equipment.

Membrane 6 can be applied via power spray or by hand. Deery American can provide turn-key installations including custom blended materials when project specifications call for them.



Closures

Excellent elongation, High friction angle, and puncture resistance. Low water and leachate condensate transmittivity. Effective at very low temperatures.



Methane Barriers

Easy to apply, resists cracking.



Secondary Containment

Reduced installation time, economical. No seams, battens or anchors.

1-800-227-4059

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DEERY Waterproofing Materials (continued)

Specification Ranges

- Stress/Strain
200 – 1000 psi – 30% - 100% elongation
- Puncture Resistance
80-150 lbs.
- Pliability
Bend around 1/2" radius rod at –40 F
- Permeability: cm-sec
2.13 x 10⁻¹¹ ASTM E-96
- Tear Strength
50 – 150 lbs.
- Thickness
Available from 30 mil – 1000 mil.

Design with Flexibility

Engineers can now select a liner material that can be tailored to the site specific design parameters. Whether your design goals require high stress characteristics or elongation properties, low temperature service, or high compressive load resistance, Deery Membrane 6 can blend a material that will fulfill your needs.

- Ease of application.
- Maintenance problems minimized.
- Side slope stability.



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