

Burke

Geomembrane Liners and Floating Covers

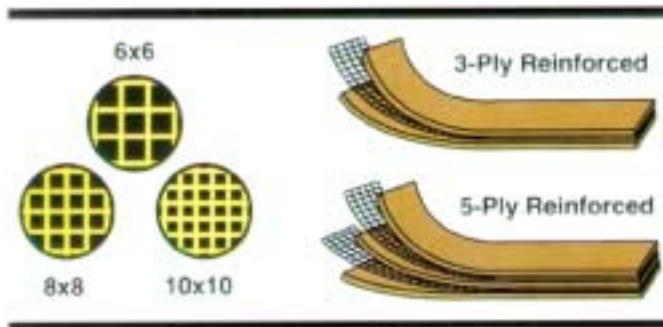
A Solution for
Every Containment
Application



Burke Geomembrane Liner



Liner: Pulp waste treatment lagoon, Great Northern Paper Co., Millinocket, Maine.



Floating Cover: Potable water reservoir, Paradise, California



ABOUT BURKE

■ **Experience:** Over 50 years manufacturing rubber products for the construction industry.

Burke developed flexible membranes for pollution control beginning in 1969. Currently, over 200 million square feet are installed in a variety of applications, from liners for decorative ponds and wastewater treatment lagoons to floating covers for potable water and methane gas collection systems.

PRODUCT VERSATILITY

■ **Custom Design:** Multiple-ply membrane constructions engineered to your requirements.

■ **Weather Resistance:** Burke membranes resist the effects of oxidation, ozone, ultra-violet light and a wide range of temperatures and conditions.

■ **Chemical Resistance:** By compounding a variety of inter-polymer alloys, Burke custom designs the material best suited to the application, thereby furnishing membranes capable of resisting a wide range of chemical environments.

■ **Color Stability:** Burke membranes are available in a wide range of colors that resist fading while maintaining the most desirable physical properties.

and Floating Covers for Anaerobic Gas Collection

■ **Custom Fabrication:** Burke provides large factory-fabricated panels of up to 30,000 square-feet to minimize field seaming. Each factory seam is fully bonded, with no loose edges.

Burke fabricates special shapes such as triangles and circles to eliminate waste in irregular shaped impoundments.

■ **User Friendly:** Burke membranes can be repaired successfully after years of exposure without special skills or tools.

■ **Industry Standards:** Burke flexible membranes meet or exceed all geosynthetic industry standards including NSF Standard 54 and are listed in NSF Standard 61 as approved for use in contact with potable water.

■ **Burke Anaerobic Digestion Covers:** Anaerobic covers are used primarily for biogas collection. They allow a cost-effective means of creating very large digestion cells at a fraction of the capital cost of old-style tank digesters. They provide more complete digestion using a long HRT system that is less sensitive to upsets or variations in the process flow. The system also offers greater conversion of biomass into energy and produces dried solids saleable as livestock feed and/or fertilizer.



Burke custom fabrication plant, San Jose, California



Liner: Potable water underground storage, Morris L. Jones Reservoir, Pasadena, California.

Cover: Methane gas collection system, Adelaide, South Australia.



Potable Water Protection

COVER PIONEERS

Burke Industries pioneered the development of the special 5-ply Hypalon® cover. This material provides the added toughness and flexibility required by the dynamic loadings of a floating cover on a body of water.

FLOATING COVER ADVANTAGES

- 45-mil and 60-mil material
- Low initial investment
- Weathering warranty
- Savings on chlorine treatment
- Savings on algae control chemicals
- Low maintenance costs
- Reduced drainage and cleaning
- Eliminates evaporation loss
- 100% seismic resistant
- No supporting columns or reinforcements required
- Disperses snow, ice and rain with proper design
- Protection from atmospheric pollution
- Attractive appearance – can be color harmonized



Tensioned cover, reservoir, Poway, California
Left: Revoc Mechanical Tensioning System.



Burke Design Floating Cover: Potable water reservoir, Valley Center, California. Right: Reservoir under construction.



Burke Design Floating Cover: Potable water reservoir, Australia. Bottom Left: Inspecting reservoir under inflated cover. Bottom right: Access hatchway.





DU PONT HYPALON® SINGLE PLY

- Ideal For New or Reroof
- Mechanically Attached • Adhered • Patented Vac-Q-Roof™
- Approved U.L. • F.M. • ICBO • L.A. and Dade Counties
- Energy Efficient White Color
- Custom Pastel Colors
- Permanent Fusion Seams (No Adhesive)
- Hydrocarbon, Chemical, Pollution Algae Resistant
- Leak Free System Warranty



Burke Tile: Rubber Flooring/Stair Treads ■ Rubber Cove/Carpet Base

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|--|----------------------|
| ■ Long Life/Beautiful Look | ■ 48 Standard Colors |
| ■ Comfort/Insulating Warmth | ■ Wall Protection |
| ■ Slip Resistant | ■ Easy to Clean |
| Burke Tread™: Rubber Stair Treads | ■ Scratch Resistant |
| ■ Perfect Color Matching | ■ Non-Shrinkable |
| ■ Long Life | ■ Easy to Install |
| ■ Slip Resistant Design | |
| ■ Quiet and Comfortable | |

The Burke Systems Approach

ENGINEERING AND DESIGN ASSISTANCE

Successful liners and covers begin with proper design. With our technical group, and a worldwide network of approved fabricators and installers, Burke will assist you with chemical immersion testing, engineering design, and product selection. Our extensive



background in varied applications has provided us with the answers to most, if not all, of your questions.

MATERIAL AND INSTALLATION CONTINUITY

Each stage of material manufacturing is under Burke's direct control, including compounding, calendaring, and fabrication. Installations are performed by Burke-approved contractors ensuring an unbroken chain of responsibility through all phases of each project.

COMPONENTS AND ACCESSORY ITEMS

Containment projects require more than just a liner or cover. Burke manufactures and provides a full line of custom-made shrouds, gas vents, adhesives and other components necessary for your project.



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