



SPILLDAM
ENVIRONMENTAL INC.

“Environmental
Protection
Systems”

SILTDAM TURBIDITY BARRIERS

FLOATING SILT CONTAINMENT BARRIERS

SILTDAM turbidity barriers are designed to prevent the migration of silt and turbidity from exiting a work area. Typical uses include; dredging, shoreline revetments, sheet wall or pile driving, aquatic weed control/harvesting, and marine construction activities.

SILTDAM turbidity barriers are designed to accommodate a variety of wind, sea and current conditions. Our standard barriers offer the additional benefit of debris and oil containment at the water line with the use of 22 oz PVC oil boom fabric around the floatation compartment. The floatation compartment is completely heat-sealed, each floatation element is additionally heat sealed on each end to create a completely watertight compartment and prevent the floats from shifting.

Below the floatation compartment we install the skirt section to the desired depth. Skirt materials consist of either permeable, woven polypropylene geotextile fabrics or impermeable polypropylene and PVC fabrics. The barriers are ballasted continually along the bottom using galvanized steel chain.



TYPICAL SPECIFICATIONS

Boom Length: 50 or 100 ft sections.
Other lengths available.

Floatation Element: Cylindrical, internal closed cell foam.

Net Buoyancy: 6" dia. 12/lbs/ft^{8"} dia.
21/lbs/ft^{12"} dia. 50 lbs/ft

Floatation Cover: 22 oz/yd² PVC coated polyester. Other coatings available.

22 oz/yd² PVC is a heavy-duty material for rough service applications.

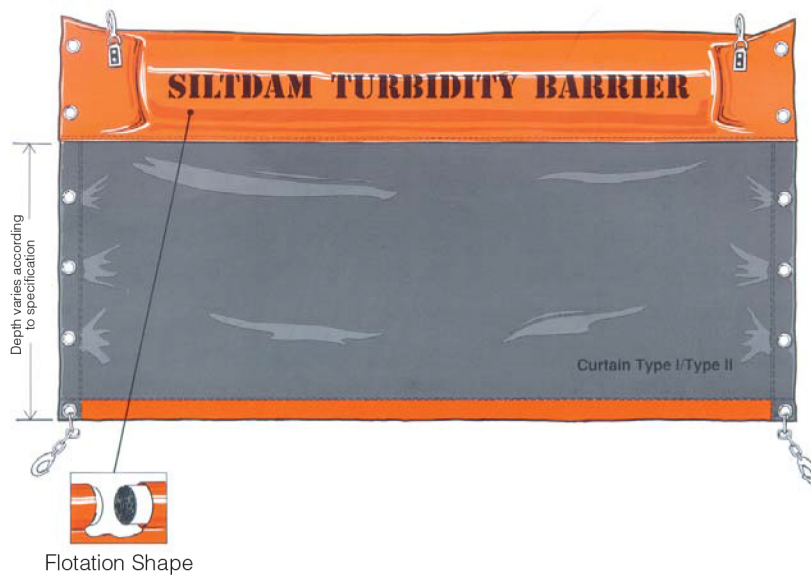
Ballast: 5/16" galvanized chain standard 1.1 lbs/ft.
Other ballast weights available

Tension: Optional, 5/16" PVC coated, galvanized aircraft cable top tension.

End Connectors: Standard connectors are grommeted end/tow plates and lacing grommets. Tool free aluminum universal slide connectors and lacing grommets are also available.

Curtain Depth: 3 to 75 feet





SILTDAM TURBIDITY BARRIERS

SKIRT MATERIAL SPECIFICATIONS

PROPERTIES	SLIT FILM TYPE I	MONOFILAMENT TYPE II	IMPERMEABLE TYPE III	IMPERMEABLE HEAVY DUTY
Weight	5.0 oz/yd ²	6.2 oz/yd ²	5.5 oz/yd ²	22 oz/yd ²
Tensile Strength	220 lbs 200 lbs	390 lbs 280 lbs	300 lbs 300 lbs	500 lbs 450 lbs
Elongation @ Break	20 %	25%	20%	10%
Mullen Burst	480 psi	530 psi	570 psi	N/A
Puncture Strength	120 lbs	140 lbs	120 lbs	400 lbs
Tear Strength	80 lbs 80 lbs	100 lbs 80 lbs	125 lbs 125 lbs	110 lbs 110 lbs
Abrasion Resistance	NA	NA	NA	300 cycles
EOS US Std. Sieve	40 - 50 425 - 300	70 210 microns	Impermeable	Impermeable
Flow Rate	microns 8 gpm/ft ²	18 gpm/ft ²	Impermeable	Impermeable

Type I: An excellent general purpose skirt material used for a variety of silt containment applications.

Type II: A finer sieve size and higher flow rate offers better containment of fine silts, while allowing higher current or tidal flows.

Impermeable Type III: A light weight, impermeable material primarily used in applications where hazardous materials are present.

Impermeable Type H.B.: A heavy duty skirt material used to contain hazardous materials with high strength and longevity.

Other Materials: Additionally we also offer a variety of monofilament skirt materials with higher flow rates for fast current environments, non-woven geotextile filter fabrics for very fine sediments or hydrocarbon remediation, Seaman Corp., XR series for high chemical resistance and potable water applications (XR-PW). Urethane coated materials for high abrasion resistance.

OIL CONTAINMENT BOOMS



Spilldam 4x6

A compact, easily deployed containment for still or calm water applications. This highly portable barrier can be carried to remote locations and is an excellent first response boom.

Fabric:	22 oz PVC coated polyester*
Height:	10 inches overall height
Floataction:	4" dia., flexible, closed cell foam
Draft:	6" skirt depth
Ballast/Tension:	3/16" galvanized ballast chain
End Connection:	Lacing grommets or tool free aluminum universal
Section Length:	50 & 100 ft sections standard, other lengths available

Spilldam 180

A compact fence style boom consisting of a flexible skirt and floatation units designed to contain spills in inland waters and protected harbors. The boom may be deployed from reels, trailers, barges or boats.

Fabric:	22 oz PVC coated polyester*
Height:	18" overall Height
Floataction:	Flat, flexible, closed cell foam
Draft:	12" skirt depth
Tension:	5/16" dia. top tension cable
Ballast/Tension:	1/4" galvanized ballast chain
End Connection:	Tool free aluminum universal



Flotation Shape

Spilldam Log I

A sturdy, economical general purpose oil containment boom specifically designed for use in inland waters and protected harbors with low current velocities. Meets OPA-90 calm water requirements.

Fabric:	22 oz PVC coated polyester*
Height:	18" overall height
Floataction:	6" dia., flexible, closed cell foam
Draft:	12" skirt depth
Ballast/Tension:	1/4" galvanized ballast chain
End Connection:	Tool free aluminum universal or ASTM F-962
Sections Length:	50 & 100 ft sections standard, other lengths available



Spilldam Log I-C

A heavy duty work boom designed for repeated deployment with increased strength provided by the addition of a top tension cable. This cable allows for an increase in drag force for longer towing configurations when a continuous length exceeds 500 linear feet. An excellent containment boom for harbors, marinas, rivers and as a first response in open ocean environments.



Fabric:	22 oz PVC coated polyester
Height:	21" overall height
Flotation:	6" dia., flexible, closed cell foam
Draft:	12" skirt depth
Ballast/Tension:	5/16" dia., PVC coated, galvanized aircraft cable
End Connection:	Tool free aluminum universal or ASTM F-962
Section Length:	50 & 100 ft sections standard, other lengths available



Spilldam Log II-C

Designed for outer harbor and open water containment applications. Manufactured with larger flotation and dual load lines to endure the punishment of rough seas and repeated use.

Height:	26" overall height
Flotation:	8" dia., flexible, closed cell foam
Draft:	16" skirt depth
Tension:	5/16" dia., PVC coated, galvanized aircraft cable
Ballast/Tension:	5/16" galvanized ballast chain
End Connection:	Tool free aluminum universal or ASTM F-962
Sections Length:	50 & 100 ft sections standard, other lengths available

Standard features on all oil containment booms include;
Entirely welded seam construction. Individually sealed flotation compartments.
Marine grade hardware and components.

*Optional Fabrics available include:

18 – 28 oz PVC coated polyester or nylon, Seaman Corp., XR series for high chemical resistance, water potable grade materials for reservoirs and urethane coated fabric for high abrasion resistance and longevity.

ANCHORING SYSTEMS

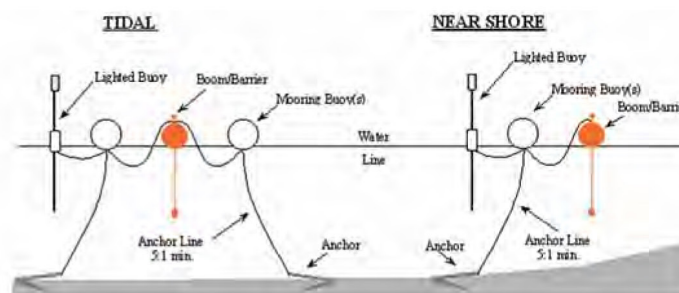
Overview:

There are many variables to consider when deploying boom anchoring systems. Knowledge of the current flow, prevailing winds, bottom composition and depth of water can help to focus the design of a proper anchoring system. In situations where the boom or barriers are to be deployed in navigable waters, the U.S. Coast Guard Marine Safety Office, or local governing authority must be consulted

ANCHORING BOOMS

When anchoring booms or barriers it is important to consider the primary goal is to maintain containment. By using a mooring buoy as a sacrificial element in an anchor system you reduce the risk of submerging the booms floatation under heavy loads. It is not recommended that booms anchored from their bottom or ballast.

The following diagrams show typical anchoring configurations and components. Please contact our office for your specific application.



ABSORBENTS

Spilldam Environmental Inc., offers a wide selection of oil and liquid absorbent products such as booms, pillows, pads, rolls, socks and sweeps.

We are constantly evaluating the cost and benefits of the latest technologies including, polypropylene, cellulose, cork, peat, and polymer based absorbents. We are dedicated to offering a variety of absorbent products in an effort that every customer can receive the most economical and efficient product to suit their needs. Please contact our office to discuss your application.



PUMPWATER FILTER BAGS

A disposable filter bag designed for rapid, on-site dewatering of sediments from any water pumping activity. Manufactured from heavy weight, non-woven geotextile filter fabric with effective filtering properties to 150 microns. Standard size is 15' x 15' with a maximum hose inlet diameter of 8 inches. The filter bag allows initial flow rates greater than 15,000 gal/min (flow rates will diminish with the accumulation of sediments within the bag).

After bulk dewatering takes place, self weight consolidation and the confining pressure of the geotextile bag itself continue the dewatering process. Extremely short dewatering time vs. the typical retention pond methods result. Part of the efficient retention process occurs because of the physical properties of the geotextile fabric and also from the filter cake that forms on the inside of the filter bag shell, thus creating a two stage filter. Other sizes and materials available to meet site requirements.



TARPAULINS

SCAFFOLDING TARPS

Originally developed for bridge painters and sandblasters, our scaffolding tarps are designed to take abuse and stay put. High quality construction and durability translates into many more uses, making Spilldam Environmental Inc. reusable tarps much more economical than throw aways.

Manufactured from a high strength, light weight, woven polypropylene which is coated on one face for water and weather resistance. All seams are reinforced using 22 oz PVC coated polyester binding (400 lbs/in tear strength) for added strength. The binding is sewn around the entire seam (not simply one face of the seam). All seams are double lock stitched using heavy duty marine quality thread that is ultra violet and mildew resistant. Large, brass, rolled rim, spur tooth grommets are installed on all interior and perimeter seams.



CUSTOM TARPS

In addition to the scaffolding tarps, Spilldam Environmental Inc., manufactures an array of custom tarps for a variety of applications including

- Curing Blankets
- Demolition
- Dust and Debris Containment
- Equipment Covers
- Liners
- Remediation
- Room Dividers
- Stockpile Covers
- Temporary Buildings
- Visual Barriers
- Weather Protection

Fabrics include:

- 18 or 22 oz Vinyl coated polyester
- 6 oz HDPE coated Polypropylene
- Reinforced Polyethylene
- Woven Geotextiles



Tarpaulins



KEEPING PACE WITH THE INDUSTRY

Our History of Successful Service: We Are a Patent-Holding Pioneer

For more than 40 years, Brockton Equipment/Spilldam, Inc., has supplied materials and services to environmental remediation clients. Throughout, the company has devised unique capabilities to engineer, design, and manufacture oil separation systems, containment systems, and turbidity control curtains to meet customers' specific applications.

The company, formed in the early 1960s, pioneered engineering and products for the collection and treatment of oil spills. Innovation was rewarded in 1974, when the company won a U.S. patent for its design of the original spilldam: Barrier Boom.

In 1991, J. Walter Miller purchased the company, whose name was changed to Brockton Equipment/Spilldam, Inc. A new focus, a customer-targeted reorganization, and concerted efforts have yielded an experienced yet innovative team dedicated to delivering new methods and procedures for the production, inventory, and sales of a growing product line and resource capability.

In 2012, Mr. Miller embarked on his well-deserved retirement. Longtime employee and partner Tim Prevost purchased the company. Mr. Prevost simplified the name to Spilldam Environmental Inc., while maintaining the vision and growth of the company for many years to come.

Our Commitment Is to Our Customers

Spilldam Environmental Inc., is devoted to providing customers with a convenient but comprehensive single source for materials used in oil spill containment, turbidity control, and remediation activities. We analyze customer needs and provide engineering and innovative product design for each customer's particular application. Advances in our proprietary "Boom" manufacturing and construction techniques let us produce quality standard or special goods at competitive prices. And we continue to research and develop new products and materials so that we can meet the growing demands of the expanding environmental market.

Our commitment is to our customers and their success.

We welcome the opportunity to work with you.

