

PERMA-BOOM



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ACME Perma-Boom is a specially designed permanent floating barrier for long-term service. Its extremely rugged construction and excellent resistance to weathering provide years of reliable, low-cost performance. **ACME Perma-Boom** is perfect for oil debris containment and for exclusion of floating pollutants from sensitive facilities or areas.

FEATURES:

- Heavy duty, high strength, PVC-coated polyester conveyor-beltting membrane
- Marine growth UV inhibitors for years of low maintenance
- High visibility, unsinkable rotary molded polyethylene floats filled with closed cell urethane foam
- ASTM or Universal-style marine-grade aluminum boom connectors to match with existing inventories.
- Corrosion resistant stainless steel hardware

BALLAST:

Ballast is accomplished by molded lead weights affixed to the skirt bottom.

HARDWARE:

Standard attachment hardware for floats, ballast, and end-connectors are stainless steel.

END CONNECTORS:

Connectors can be supplied in various configurations:

- Heavy duty PVC in a modified universal slide design with TruGrip™ flanges.
- Aluminum ASTM F962-04 Quick-Latch or Z connectors
- Aluminum ASTM F2438-04 Slide connectors
- US Navy male/female connectors available upon request.



STANDARD SIZES:

- 18" width by 100' length (Freeboard 11' x Skirt 7")
- 24" width by 100' length (Freeboard 11' x Skirt 13")
- 36" width by 100' length (Freeboard 12' x Skirt 24")

FLOTATIONS:

Flotation units are tough polyethylene shells that are impregnated with UVEX™, an antioxidant and ultraviolet protection package which makes them exceptionally color stable and highly resistant to UV degradation. The shell is filled with oil-impervious closed-cell foam. The standard color is international orange, however, yellow and black are also available.

OTHER ACME PERMA-BOOM SERVICES AVAILABLE

Design, Sell, Install and Maintain Floating Barrier

Consultations and product sales regarding the type, amount, and use of your ACME Perma-Boom considering the following special requirements:

- Surrounding Conditions
- Surrounding Structures
- Debris Barrier vs. Containment
- Maintenance Schedule

Installation of your permanent boom designed with suggested use and structural considerations in mind:

- Wire/Weight Slider System
- Float and Tether System
- Bulkhead Connections
- Site-Specific Systems and Special Requirements

Operational support accessories for ease of deployment and permanent moorage of boom including:

- Boom Deployment Boxes
- Tow Plates
- Tow Bridles
- Anchor Systems
- T-Connectors
- Other Ancillary Gear

Operational maintenance for continued use of ACME Perma-Boom, including:

- Marine growth removal
- Repairs of tears in barrier
- Float replacement

Replacement and repair materials needed for general maintenance of permanent boom and installations such as:

- Floats
- Boom Material
- End Plate
- Stainless Steel/Nylon Nuts and Bolts
- Anchor Points
- Toggle Pins

Containment Uses:

- Fuel Docks
- Offshore Platforms
- Shipyards
- Refinery Terminals
- Cargo Terminals
- Dry Docks
- Ferry Terminals
- Marinas



HEAVY DUTY PVC & URETHANE BARRIER SPECIFICATIONS

ITEM	18" PERMA-BOOM	24" PERMA-BOOM	36" PERMA-BOOM
Freeboard	11 inches	11 inches	12 inches
Draft	7 inches	13 inches	24 inches
Weight	3.24 lbs./ft. (est.)	4.3 lbs./ft. (est.)	7.0 lbs./ft.(est.)
Length (STD)	100 ft. or 50 ft. (Custom lengths available)		
Connectors	<ul style="list-style-type: none"> - Z-ASTM F962-04 - Universal slide PVC - Slide--ASTM F2438-04 - US Navy male/female <i>Other connectors provided upon request & availability</i>		
Flotation (STD)	High Density Polyethylene shells that are impregnated with UVEX™ an antioxidant and UV Stabilizer package which makes them exceptionally color stable and highly resistant to light degradation. The shell is filled with oil-impervious closed-cell urethane foam. The standard colors include International orange, black and yellow. Floats can be sealed or unsealed depending on customer requirements.		
Ballast Type	Lead weight with stainless steel bolts		
Hardware	Standard attachment hardware for floats, ballast and end-connectors are stainless steel (available in 304 or 316 alloy)		
Anchor Points	Single or Double - Eye bolts added as per customers requirements (if placed in belting an oversized fender washer is used)		

	PVC BELTING	POLYURETHANE BELTING
Barrier Material	150 oz. Double Impregnated PVC Polyester Fabric Belting with U-V and Marine Growth Inhibitors -(Color Black)	80oz. or 100 oz. Polyurethane Fabric Belting with UV and Marine Growth Inhibitors – (Color Orange) For high abrasion resistance applications
Tensile Strength (Warp)	36,000 lbs. – 54,00lbs. Break Strength 8,000 lbs. – 10,000 lbs. Working Strength	33,600 lbs. – 38,400 lbs. Break Strength 16,800 lbs. Working Strength
Tear Strength (Fill)	1,500 lbs.	1,400 lbs./in - 1,600 lbs./in.
Fire Resistance	Belting is self-extinguishing	Belting is self-extinguishing
Standard Application	Harbors, Dry Docks, Fuel Docks, Shipyards	Military or high abrasion resistance applications

Let us design, manufacture, and install a permanent boom system to meet your spill contingency requirements!