Providing real solutions to the water resource, hydropower, reclamation, irrigation, waterway management, security, and defense industries.

- Public Safety
- Debris Control
- Demarcation
- Security
Public Safety Barriers
Debris Control Barriers
Security Barriers
Armorfloat Barrier Systems

Features of our modular floating barrier systems include:

- Multiple System Configurations
- State of the Art Design
- Patented Composite Construction
- Premium Marine Friendly Materials
- Heavy Duty Load Capacities
- Superior Performance
- Long Term Durability
- Environmentally Safe
Waterway Barrier System (WBS)

- A premium multi-purpose barrier system.
- 16 inch profile x 10 foot long float modules.
- Up to one foot of highly visible freeboard.
- Solid thick wall polyethylene float encasement with polyurethane closed cell floatation foam core provides unsinkable buoyancy.
- Full length structural stainless steel strength and ballast member with integral connection and attachment points.
- High capacity polymer link plate connections with no metal to metal wear points.
- Ideal for brackish and saltwater applications.
Armorfloat™ Waterway Barrier System

Our premium barrier system for safety, security, and debris control applications!

Provide a positive barrier between your equipment, hazardous or secure areas, and the floating debris or watercraft you want to keep out!

Armorfloat™ Waterway Barrier Systems allow the modular construction of unlimited length floating barricades across rivers, lakes, reservoirs, and other waterways. Typical applications include public safety, waterside security, and control of floating logs and debris. Patented Armorfloat™ Barrier Systems incorporate innovative design, premium materials, state-of-the-art manufacturing techniques, and over a decade of development to assure superior performance.

Waterway Barrier System Features
- Stops logs, debris, and watercraft
- Positive boat restraining barrier
- Highly visible line of demarcation
- Superior strength and durability
- Long life marine friendly materials
- Impact, UV, and corrosion resistant
- Unsinkable floatation
- Easily coupled and anchored
- Environmentally safe materials
- Up to one foot of freeboard

- Patented composite construction
- Full length stainless steel strength member with integral MIG welded coupling and attachment points
- Thick wall LLDPE shell, PU closed cell foam core floatation body is permanently molded-on to internal strength member
- High capacity polyethylene plate connectors are shock absorbing with no metal-to-metal wear points
- No bolt-on mild steel components to corrode and fall off

Waterway Barrier System Specifications
- DIMENSIONS: Each barrier module measures 16" in diameter, 120" long, and weighs 120 lbs.
- STRENGTH: Capable of 1500 lbs. concentrated load per square foot, 150 lbs. uniform load per linear foot; minimum ultimate horizontal load capacities from 25,000 lbs. (standard) to 50,000 lbs. (optional).
- DRAFT: Natural draft is about 4" (up to 12" of freeboard), with over 700 lbs. of reserve displacement.
- CONSTRUCTION: Patented composite of a seamless polymer floatation body permanently molded on to full length internal stainless steel strength member with integral connection and attachment points.
- FLOATATION BODY: Molded octagon profile floatation body is 16" in diameter and 106" long. The seamless shell encasement has a 0.20 nominal wall thickness of environmentally safe polyethylene resin compounded with a long term UV-15 stabilizer additive to deter the effects of sunlight. The internal polyethylene closed cell floatation foam core meets US Coast Guard guidelines and fills over 65% of the interior void. Floatation body construction is highly puncture resistant, impact resistant, and provides unsinkable reserve displacement. Barrier modules are designed to stack together to facilitate shipping and storage.
- STRENGTH MEMBER: System strength and ballast from a one-piece 2" square x 3/16" wall stainless steel structural tube 120" long with integral MIG welded connection and attachment points.
- CONNECTORS: Barrier modules are connected by two (standard) or four (optional) 9.5" long x 5.5" wide x 3/4" thick polyethylene plates retained by polyethylene bearing washers and stainless steel hardware. Capable of 90° angles and wave action, the connector assembly is shock absorbing with no metal-to-metal wear points.
- OPTIONS: The following options are available:
  - Standard safety orange or alternative custom floatation body color
  - Stock or custom large font permanent warning graphics
  - Reflective lenses and stanchion mounted solar marine lights
  - Anchoring end, four plate, and vertical connector configurations
  - Stainless steel welded wire mesh submerged debris screens

Custom system configurations to meet with project requirements.

Contact us for a quote on your next barrier project!
Phone: (916) 920-8620 Fax: (916) 920-8618
Website: www.armorfloat.com

A product of Good Innovation LLC
Sacramento, California
Made in USA
Log Boom System (LBS)

- A heavy duty multi-purpose barrier system.
- 16 inch profile x 10 foot long float modules.
- Up to one foot of highly visible freeboard.
- Solid thick wall polyethylene float encasement with polyurethane closed cell floatation foam core provides unsinkable buoyancy.
- Full length hot dip galvanized structural steel strength and ballast member with integral connection and attachment points.
- High strength forged steel link and shackle connections with bronze wear surfaces.
- Our most popular system for freshwater barrier projects.
Log Boom System

Our most cost effective system for safety, security, and debris control applications!

Provide a positive barrier between your equipment, hazardous or secure areas, and the floating debris or watercraft you want to keep out!

Armorfloat Log Boom Systems allow the modular construction of unlimited length floating barriers across rivers, lakes, reservoirs, and other waterways. Typical applications include public safety, waterfront security, and control of floating logs and debris. Patented Armorfloat™ Barrier Systems incorporate innovative design, premium materials, state-of-the-art manufacturing techniques, and over a decade of development to assure superior long-term performance.

Log Boom System Features
- Stops logs, debris, and watercraft
- Positive boat restraining barrier
- Highly visible line of demarcation
- Superior strength and durability
- Long life marine friendly materials
- Impact, UV, and corrosion resistant
- Unsinkable flotation
- Easily coupled and anchored
- Environmentally safe materials
- Up to one foot of freeboard
- Barrier modules are 16” in diameter, 120’ long, and weigh 130 lbs.
- Patented composite construction
- Full length galvanized steel strength and ballast member with integral coupling and attachment points
- Thick wall LLDPE shell, PU closed cell foam core floatation body is permanently molded on to internal strength member
- Heavy duty galvanized forged steel links and anchor shackles connect modules together
- No bolt-on bare steel components to corrode and fall off

Log Boom System Specifications
- DIMENSIONS: Each barrier module measures 16” in diameter, 120’ long (125” assembled length with connectors), and weigh a minimum of 130 lbs.
- STRENGTH: Capable of 1500 lbs. concentrated load per square foot, 5 lbs. uniform load per linear foot, 57,000 lbs. minimum ultimate horizontal load capacity.
- DRAFT: Natural draft is about 4” (up to 12” of freeboard), with over 700 lbs. of reserve displacement.
- CONSTRUCTION: Patented composite of a seamless polymer floatation body permanently molded on to a full length internal galvanized steel strength member with integral connection and attachment points.
- FLOATATION BODY: Molded octagon profile floatation body is 16” in diameter and 106” long. The seamless shell encasement has a .20” nominal wall thickness of environmentally safe polyethylene resin compounded with a long term UV-15 stabilizer additive to deter the effects of sunlight. The internal polyurethane closed cell flotation foam core meets with US Coast Guard guidelines and fills over 66% of the interior void. Floatation body construction is highly puncture resistant, impact resistant, and provides unsurpassed reserve displacement. Barrier modules are designed to stack together to facilitate shipping and storage.
- STRENGTH MEMBER: System strength and ballast from a one-piece 1” x 2” x 0.08” hot dipped galvanized steel flat bar 120” long with integral coupling and attachment points.
- CONNECTORS: Barier modules are connected together by a 3/4” galvanized forged steel link and two anchor shackles with safety bolt type pins. Connection points have large surface area bronze flange bearings to help isolate wear to the connecting hardware. The assembly is capable of 90º angles and wave action.
- OPTIONS: The following options are available:
  - Standard safety orange or alternative custom floatation body color.
  - Stock or custom large font permanent warning graphics.
  - Reflective lenses and stanchion mounted solar marine lights.
  - Galvanized steel welded wire mesh submerged debris screens.
  - Custom system configurations to meet with project requirements.

Contact us for a quote on your next barrier project!
Phone: (916) 920-8620  Fax: (916) 920-8618
Website: www.armorfloat.com

A product of
Good Innovation LLC
Sacramento, California
Made in USA
Marine Security Barrier System (MSBS)

- A large scale anti-intrusion barrier system.
- 46 inch profile x 10 foot long float modules.
- Over three feet of highly visible freeboard.
- Solid thick wall polyethylene float encasement with polyurethane closed cell floatation foam core provides unsinkable buoyancy.
- Full length structural stainless steel strength and ballast member with integral connection and attachment points.
- High capacity polymer link plate connections with no metal to metal wear points.
- Perfect for waterside security applications.
Armorfloat™ Marine Security Barrier Systems allow the modular construction of unlimited length floating barricades over rivers, lakes, seas, and other waterways. Typical applications include waterfront security, asset protection, area demarcation, public safety, and waterway traffic control. Patented Armorfloat™ Barrier Systems incorporate innovative design, premium materials, state-of-the-art manufacturing techniques, and over a decade of development to assure superior performance.

### Marine Security Barrier System Features
- Stops unauthorized waterborne entry
- Positive small craft intrusion barrier
- Highly visible line of demarcation
- Superior strength and durability
- Long life marine friendly materials
- Impact, UV, and corrosion resistant
- Unsinkable floatation
- Easily coupled and anchored
- Environmentally safe materials
- Over three feet of freeboard
- Barrier modules are 46" tall, 46" wide, 120" long, and weigh 375 lbs.
- Patented composite construction
- Full length stainless steel structural strength member with MIG welded coupling and attachment points
- Thick wall LDPE shell, PU closed cell foam core floatation body is permanently molded-on to internal strength member
- High capacity polyethylene plate connectors are shock absorbing with no metal-to-metal wear points
- No bolt-on or mild steel sub-assemblies to corrode and fail off
- Dimension: Each barrier module measures 46" tall, 46" wide, 120" long overall (122" assembled length with connector hardware), and weighs a minimum of 375 lbs.
- Strength: Capable of 1500 lbs. concentrated load per square foot, 150 lbs. uniform load per linear foot, minimum ultimate horizontal load capacities from 35,000 lbs. (standard) to 70,000 lbs. (optional).
- Draft: Natural draft is about 7" (up to 35" of freeboard), with over 3000 lbs. of reserve displacement.
- Construction: Patented composite of a seamless polymer floatation body permanently molded on to a full length internal stainless steel strength member with integral connection and attachment points.
- Floatation Body: Molded aggressive profile polymer floatation body is 46" tall, 46" wide, and 106" long. The seamless shell enclosure has a 20% nominal wall thickness of environmentally safe polyethylene resin compounded with a long term UV-15 stabilizer additive to deter the effects of sunlight. The internal polyurethane closed cell floatation foam core meets with US Coast Guard guidelines and fills over 90% of the interior void. Floatation body construction is highly puncture resistant, impact resistant, and provides unsinkable reserve displacement. Barrier modules are designed to nest together to facilitate storage.
- Strength Member: System strength and ballast from a one-piece, 4" square x 188" wall x 120" long internal stainless steel member with integral MIG welded connection and attachment points.
- Connector: Barrier modules are connected by two (standard) or four (optional) 14" x 8" wide x 1" thick polyethylene plates retained by polyethylene bearing washers and stainless steel hardware. Capable of 45° angles and wave action, the connector assembly is shock absorbing with no metal-to-metal wear points. Available in optional four plate configurations for increased load capacity applications.
- Options: The following options are available.
  - Standard floatation body color is safety orange with alternative and custom colors available
  - Stock or custom 4" black font warning graphics permanently applied to the floatation body sides
  - Reflective lenses and self contained solar powered marine lights for increased night visibility
  - Anchoring end, four plate, vertical orientation, and wire rope secondary fail-safe connector upgrades
  - Additional options, custom configurations, and rigging supplies to meet project requirements.
WBS, LBS, MSBS Options

- Customizable system configurations to meet project requirements.
- Alternative module length and float colors.
- Raised lettering with product logo, ownership, or regulatory marks.
- Contrasting color graphics and aluminum warning signs with standard or custom text.
- Reflective lenses and solar marine lights.
- Connection capacity and redundancy upgrades.
- Submerged debris screens and inline boat gate assemblies.
- Mooring hardware and pile attachments.
Options
Options
Public Safety Applications

• Protect the general public and errant boaters from entering hazardous areas by providing positive boat restraining barriers.
• Lower the risk of liability through clear indication of dams, intakes, spillways, tailraces, hazardous waterway areas, dangerous equipment, etc.
• Control waterway traffic by demarcating safe lanes and navigable areas.
• Meet with FERC dam safety requirements.
• Prevent accidents, injuries, and save lives.
Public Safety
Public Safety
Public Safety
Public Safety
Debris Control Applications

• Restrain or divert surface floating and semi submerged debris, logs, wood, aquatic vegetation, urban waste, loose ice, etc.
• Prevent debris from entering waterways.
• Collect debris for scheduled removal at accessible locations.
• Divert debris away from structures when deployed at an angle to prevailing flow.
• Keep intakes and screens clear.
• Protect equipment from damage.
Debris Control
Debris Control
Demarcation Applications

• Create highly visible lines of demarcation.
• Provide clear notice of private or restricted waterways, shorelines, beaches, swim areas, fisheries, construction zones, etc.
• Limit waterside access to private or restricted waterfront property, structures, boats, barges, docks, marinas, ports, shipyards, etc.
• Control unwanted boat traffic and trespass into private or restricted waterway areas and waterfront property.
• Demarcate your space.
Demarcation
Demarcation
Security Applications

• Defensive small craft intrusion barriers.
• Provide clear warning of restricted or secure waterway areas to average errant boaters.
• Create an aggressive deterrent to intrusion and a practical level of physical security against boaters of ill will.
• Allow increased stand off distance and response time for security systems and personnel.
• Protect your assets.
Security
Customers and end users include:

- Federal, State, and Local Government Agencies
- Reclamation, Irrigation, and Water Districts
- Public and Private Utilities
- Waterway Managers and Authorities
- Civil, Marine, and Military Contractors
- Waterfront Property Owners and Managers
- And Many More
Armorfloat Barrier Systems

Please see sales representative for the latest product literature, specifications, and pricing.

Contact us directly at:

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As seen in Hydro Review magazine:

Armorfloat™ Safety - Debris - Security - Demarcation

Armorfloat Barrier Systems - Dam Safety Solutions

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All season waterway management solutions.

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