



Flotation Blocks

R-Control® EPS

Flotation Blocks are highly buoyant and can be shaped for almost any application. R-Control EPS flotation blocks work in synergy with chemical and impact resistant coatings/coverings for maximum service and environmental safety.

Protective coatings/coverings must be used to encapsulate the R-Control EPS. This will ensure optimum service life and meet many of today's marine design standards.



Design Considerations

- ◆ Fresh and saltwater compatible
- ◆ Protect from mechanical damage:
 - decking above; skirting to or below water line may also be required
- ◆ Coatings/coverings inhibit damage from wildlife, and other mechanical and chemical damage
- ◆ Install with through-bolts and 6" dia. washers minimum, or strapping of non-corrosive metal installed with compatible screws-stainless steel, copper, hot-dipped galvanized, etc.
- ◆ Marine growth may attach to blocks
- ◆ Available in a range of Types

Extremely Buoyant

R-Control EPS is extremely buoyant. One cubic foot of material will float 60 lbs. of weight at water level. R-Control EPS Flotation Blocks can be made in a variety of sizes, and are easily installed using common tools and assembly techniques.

Highly Stable

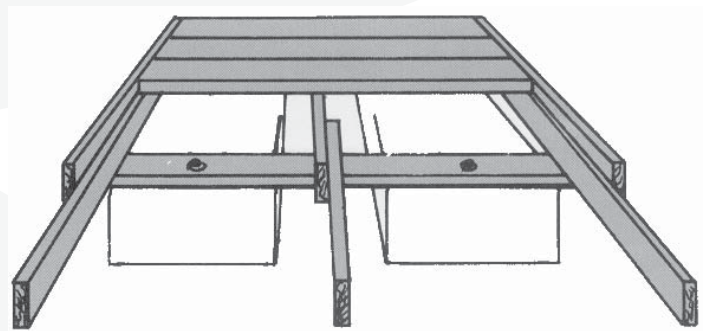
R-Control EPS Flotation Blocks are made from highly stable molded expanded polystyrene. With proper care and protection they will not corrode, decay or sink when punctured, and will give years of flotation service.

Environmental Advantages

R-Control EPS Insulation...

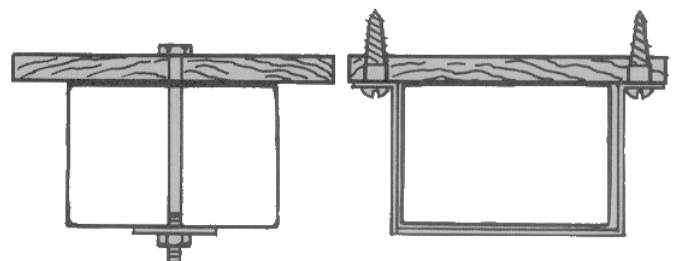
- ◆ Contains no CFC, HCFC, or HFC
- ◆ Contains no formaldehyde
- ◆ Can be recycled
- ◆ Inert, non-nutritive, highly stable
- ◆ Will not decompose, decay or produce gases or leachates

Typical Dock Construction



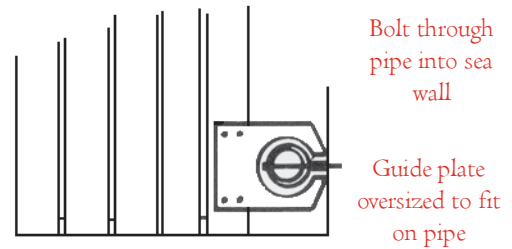
Through bolt attachment

Strap attachment



Recommended Design Buoyancy* at 50% Freeboard					
Typical R-Control EPS Flotation Billet Size	Lbs.	Kg.	Typical R-Control EPS Flotation Billet Size	Lbs.	Kg.
10" x 2' x 8'	400	181	10" x 4' x 8'	800	352
12" x 2' x 8'	480	217	12" x 4' x 8'	960	435
16" x 2' x 8'	640	290	16" x 4' x 8'	1280	530
20" x 2' x 8'	800	362	20" x 4' x 8'	1600	725
24" x 2' x 8'	960	435	24" x 4' x 8'	1920	870

* R-Control EPS has a buoyancy of 60 lbs. per cubic foot at 0" Freeboard



Tidal Float Anchoring



Guide pipe

Specifications

R-Control EPS Flotation Blocks will be provided in Type, size and thickness as shown in design drawings and specifications, and as approved in manufacturer's shop drawings.

Special shapes and custom cuts will be integrally fabricated by the flotation block manufacturer.

Chemical resistant and durability coatings/coverings must be provided to encapsulate the R-Control EPS Flotation Block.

Quality Assurance and Warranty

R-Control EPS is manufactured to quality control program standards monitored by Underwriters Laboratories Inc®.



Availability

R-Control Building Systems is North America's largest provider of Expanded Polystyrene (EPS) Insulation Products and Systems with licensed facilities located throughout North America and the world. Please contact your R-Control Building Systems supplier for design consultation, availability and pricing.

Consult R-Control EPS brochure for additional performance characteristics, physical properties, and use limitations.

Industry Affiliations:

EPSMA, NAHB, AIA, ICFA,
SIPA, NRCA



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